Economic
Development
And Trade

Consulting Index

Alberta
Engineers
Geologists
Geophysicists

OPPORTUNITY

Alberta
CANADA

87-04121/

Alberta
ECONOMIC DEVELOPMENT
AND TRADE

Office of the Minister

407 Legislature Building, Edmonton, Alberta, Canada T5K 2B6 403/427-2134

Dear Readers:

Alberta Economic Development and Trade, in cooperation with the Association of Professional Engineers, Geologists and Geophysicists of Alberta, is pleased to present the sixth edition of the Consulting Index.

This publication is a current inventory of Alberta's engineering, geological and geophysical consulting firms. The index readily identifies key areas of consulting expertise.

We salute the contribution the consulting industry makes to the province, and trust this index will prove a valuable tool to those seeking professional consulting services in Alberta.

Yours truly,

Larry R. Shaben
Minister

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INTRODUCTION

The Alberta Consulting Index was prepared by Alberta Economic Development and Trade, in cooperation with the Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA).

This publication contains the most comprehensive assessment of Alberta's consulting industry available today.

The index provides concise data on 692 consulting firms and practitioners in the province. Cross-referenced listings by specialty areas are also included, together with relevant information on the selection and use of consultants.

Companies listed in the index are authorized to practise engineering, geology or geophysics by the Association. As Permit Holders, they are corporate members of APEGGA and subject to the standards of skill and ethics defined in the Engineering, Geological and Geophysical Professions Act.

The act regulates the practise of the three professions, and only those companies registered as Permit Holders with the Association may legally practise in Alberta. Further information in this regard may be obtained by contacting the APEGGA office at: 15th Floor, Scotia Place Tower I, 10060 Jasper Avenue, Edmonton, Alberta T5J 4A2. Telephone: (403) 426-3990.

The directory is based on the responses to a questionnaire distributed to all active Alberta Permit Holders on record as of August 31, 1986. Canadian and Foreign Permit Holders, directed by resident APEGGA members, are also included.

Please forward any questions or comments on the Consulting Index to:

Executive Director; Strategic Planning Division
Alberta Economic Development & Trade
9th Floor, Sterling Place
9940 - 106 Street
Edmonton, Alberta T5K 2P6
Telephone: (403) 427-3627

OBJECTIVES

The prime objective of the Consulting Index is to provide information on Alberta's consulting industry, so as to promote its services within and outside the province.

The specific objectives of the Consulting Index are to:

1. Encourage the development of the consulting industry in Alberta by describing available consulting services.
2. Provide an industrial development incentive to prospective developers who may be attracted to Alberta because of the availability of certain engineering capabilities.
3. Serve as a marketing tool for Alberta engineering, geological and geophysical services, both domestically and internationally.
4. Enhance employment opportunities for Alberta graduate engineers, geologists and geophysicists in the province.

USERS' GUIDE

There are two major listings in this index.

1. Consulting firms listed alphabetically, according to their areas of expertise. Eighty-two specialty areas are included. A code letter to the left of each firm's name is included to indicate the number of regular full time Alberta employees in the practise.

(A)	1 – 4	Employees
(B)	5 – 9	
(C)	10 – 19	
(D)	20 – 49	
(E)	50 – 99	
(F)	100 – 249	
(G)	250 – 499	
(H)	500 – 999	
(I)	1000 +	

2. The name, address, a brief description and history, related key personnel, associated companies and related information are provided for engineering, geological and geophysical firms and practitioners in Alberta who hold permits and have responded to the survey.

The listing by specialty helps readers locate consulting companies and individuals with specific experience. Readers may then turn to the descriptive listings for more detailed information on specific firms.

Further data may be obtained from Alberta Economic Development and Trade, APEGGA, or directly from the firms or individuals.

CONSULTING ENGINEERS OF ALBERTA

The Consulting Engineers of Alberta (CEA) is an association of independent Canadian consulting engineering firms with permanent staff and facilities in Alberta. CEA is a member organization of the Association of Consulting Engineers of Canada (ACEC). ACEC is a member organization of FIDIC, the International Federation of Independent Consulting Engineers.

The basic objective of the CEA is to promote the business interests of its member firms. This is accomplished by continual contact with government and private clients, and by coordination with other organizations such as the Alberta Association of Architects and the Alberta Construction Association. CEA maintains close liaison with the statutory licensing body for the province, the Association of Professional Engineers, Geologists, and Geophysicists of Alberta.

Member firms are managed by professional engineers registered and resident in Alberta. The membership criteria require that more than 50 percent of voting shares be owned and controlled by officers, directors and employees who are Canadian resident professional engineers. The firms must engage primarily in consulting, independent of any other business motivations.

Member firms of CEA and ACEC are indicated in this index by the CEA logo beside the company name. These firms subscribe to the Code of Ethics, common to all professional engineers, in addition to a national Code of Consulting Engineering Practise.

CEA maintains permanent offices in Alberta to provide information and services, not only to member firms, but to clients or potential clients. Client enquiries are welcome, particularly regarding designated specialties or services of Alberta firms.

CEA is the Alberta supplier for numerous contractual agreement documents which can facilitate the relationship between clients and consulting engineers - eg:

TITLE	IDENTIFICATION
Prime agreement between the Client and Engineer	Document 31
Short Form of Document No 31	Document 31S
Agreement between the engineer and subconsultant	Document 32
Short Form of Document No 32	Document 32S
Guidelines for Engineering Practise and New Standard Forms with specimens of Documents 31 and 32	Guidelines
Agreement between the Client and Geotechnical Engineer	Document 33S
Agreement for Studies and Reports	Document 36S

For further information please contact: Managing Director, Consulting Engineers of Alberta, Suite 1410 Oxford Tower, 10235 - 101 Street, Edmonton, Alberta T5J 3G1. Telephone (403) 420-6066. Telex 037-2966.

SELECTING A CONSULTANT

The Association of Professional Engineers, Geologists and Geophysicists of Alberta has published a document entitled 'A Guide to Selecting a Consultant'. Client CONFIDENCE is most important. The consultant must have technical competence and business and professional integrity, especially with respect to affiliations affecting professional independence and objectivity.

The document also points out the advantages of using the same consultant on an ongoing basis, when services require continuity.

The guide makes the following recommendations:

- When selecting a consultant for a specific project through a request for proposals, include in the request:
  a) a definitive and comprehensive description of the services required (scope of the assignment),
  b) a basis for evaluating proposals, and
  c) special conditions or preferences including budget or time limitations if applicable.
- Limit requests for proposals on any one assignment to a short list of no more than five consultants who are qualified to do the work.
- Select the preferred consultant and then negotiate fees for the assignment.

The publication 'A Guide to Selecting a Consultant' is available at no cost at the Association offices in Edmonton and Calgary. Below are listed other publications available at the APEGGA offices to provide assistance in engaging the services of consultants.

- A Guide - Consultant Fees for General Engineering Assignments.
- Conditions of Engagement and Schedule of Recommended Professional Fees for Geological and Geophysical Consulting Services.
- Conditions of Engagement and Schedule of Recommended Professional Fees for Consulting Engineers to Prime Consultants on Building Projects.
- Conditions of Engagement and Schedule of Recommended Professional Fees for Prime Consultants on Building Projects.
- Conditions of Engagement and Schedule of Recommended Professional Fees for Materials Testing Services for the Construction Industry.
- Client/Consultant Guideline.

Consulting Industry Profile

CONSULTING INDUSTRY PROFILE

A. BACKGROUND

Information for the Consulting Index was gathered from a questionnaire survey sent to 1,758 APEGGA permit holders. All permit holders were located in Alberta and had at least one resident Alberta [illegible]fessional.

The questionnaires were distributed in July 1986. Approximately six weeks later, all firms which had not then replied were telephoned and given a final opportunity to complete and return the questionnaire.

The questionnaire consisted of three parts. Part A requested non-confidential information to be included in the 1986 index. Part B requested information to assess industry-wide export development and promotional activities. Part C contained questions relating to the firm's revenues. These figures were aggregated to prepare profile information about the Alberta consulting sector.

A total of 1005 firms responded to the survey. The results are as follows:

- 312 firms either did not directly offer services to the public or preferred to be excluded.
- 692 firms completed and returned Parts A and B. (One firm is excluded at their request.)
- 433 firms completed and returned Part C, although some respondents left questions blank or completed them incorrectly.

In spite of the above limitations, the survey represents the most comprehensive current assessment of the industry in Alberta.

B. INDUSTRY STRUCTURE

Major Branches of Service

The firms surveyed provided information by major type of service. Table 1 tabulates the number of firms providing each specific branch of service, listed in order of priority.

TABLE 1

Major Services of Responding Firms

Major Service Branch	Number of Firms	% of Respondents
Technical Assistance/Advisory Services	428	61.9
Design and Specification	417	60.3
Const. Supervision/Inspection	337	48.7
Contract Docs/Bid Evaluation	330	47.7
Project Management	324	46.8
Pre-investment/Feasibility Studies	303	43.8
Research and Development	209	30.2
Qty Surveying/Cost Est/Sched	190	27.5
Start-up/Commissioning	188	27.2
Construction Management	186	26.9
Economic/Financial & Cost Benefit	185	26.7
Training & Technology Transfer	182	26.3
Other	160	23.1
Operation & Maintenance Planning	144	20.8
Procurement Services	136	19.7
Process Evaluation/Selection	127	18.4
Production Technology and Management	89	12.9
Market/Tariff Studies	41	5.9
Total Firms Responding	692	100.0

Areas of Specialization

A total of 82 areas of specialization were listed in the questionnaire and responding firms were asked to identify those for which they had demonstrated expertise. The results are tabulated in Table 2.

The major areas of specialization pertain to buildings, water and sewage, pipelines and industrial plants. The most frequent responses are:

- commercial, industrial and institutional buildings
- water supply and sewerage
- industrial plant design
- energy management/conservation
- highways, roads and streets
- petroleum exploration
- oil and gas production and distribution
- foundations

TABLE 2

AREAS OF SPECIALIZATION OF RESPONDING FIRMS

Specialized Area	Firms Providing Service	% of Respondents
Acoustics	14	2.0
Aerial Surveys	14	2.0
Air Conditioning, Heating and Ventilating	90	13.0
Air Pollution Control	55	7.9
Airports & Facilities	71	10.3
Arctic Buildings and Structures	95	13.7
Atomic Energy	16	2.3
Automatic Controls	101	14.6
Biochemicals	9	1.3
Bridges	78	11.3
Buildings - Commercial & Institutional	184	26.6
Buildings - Industrial	182	26.3
Chemical Plants	79	11.4
Coal Geology	37	5.3
Coal Site Development	44	6.4
Corrosion Controls	44	6.4
Cost Control	98	14.2
Cryogenics	22	3.2
Dams	59	8.5
Drainage & Flood Control	87	12.6
Electric Power Plants Thermal	48	6.9
Electric Power Plants Hydro	36	5.2
Electric Power Transmission & Distribution	50	7.2
Electrical Systems & Equip.	92	13.3
Electronics	55	7.9
Energy Mgmt/Conservation	125	18.1
Fire Protection Systems	92	13.3
Food Processing	30	4.3
Forest Resources Planning	8	1.2
Forest Resources Survey	6	0.9
Foundations	127	18.4
Gas Collection, Transmission & Distribution	117	16.9
Gas Plants	122	17.6
Geodetic Surveys	24	3.5
Geophysical Surveys	49	7.1
Geotechnical Studies	66	9.5
Grain Handling, Processing & Storage Facilities	27	3.9
Groundwater Geology	61	8.8

TABLE 2 — (cont'd)

AREAS OF SPECIALIZATION OF RESPONDING FIRMS

Specialized Area	Firms Providing Service	% of Respondents
Highways, Roads & Streets	100	14.5
Hospital Design	55	7.9
Hydraulic Systems	68	9.8
Hydrological Studies	66	9.5
Industrial Plant Design	113	16.3
Industrial Waste, Pollution	84	12.1
Control Instrumentation	112	16.2
Irrigation	63	9.1
Land Development	81	11.7
Land Reclamation	54	7.8
Land Use	59	8.5
Material Handling	81	11.7
Material Testing	54	7.8
Mineral Exploration	39	5.6
Mineral Processing and Concentrating	26	3.8
Mining Geology	30	4.3
Oceanography	14	2.0
Oil Collection, Transmission & Distribution	122	17.6
Oil Refinery Design	73	10.5
Oil Sands Geology	62	9.0
Petroleum Exploration	132	19.1
Petroleum Geology	94	13.6
Petroleum Separation	64	9.2
Physical Metallurgy	29	4.2
Plastics Engineering	10	1.4
Plumbing Systems	72	10.4
Plywood Mills	11	1.6
Pulp & Paper Mills	23	3.3
Railways	30	4.3
Rapid Transit	43	6.2
Recreational Facilities	110	15.9
Refrigeration	62	9.0
Sawmills	11	1.6
Sewage Collection and Disposal	89	12.9
Sewage Treatment and Pollution Control	89	12.9
Smelting & Refining	16	2.3
Solid Waste Systems	62	9.0
Surveying & Mapping	60	8.7
Telecommunications	36	5.2
Traffic & Transportation	48	6.9
Systems Tunnels	50	7.2
Vibration Analysis	45	6.5
Water Supply, Treatment, Storage & Distribution	135	19.5
Welding Metallurgy	36	5.2

C. EMPLOYMENT

Over the last three years, total employment in the consulting industry has remained relatively constant. Although many firms operating in 1983 have closed, their staff have found employment in other firms or have started new companies.

The December 1985 survey response represents 573 firms, employing a total of 13,655 persons in Alberta. This compares to 13,974 persons employed in 1983, as reported in the last survey.

Employment figures for December 1985, however, may actually be higher than those recorded in the survey. In total, employment in Alberta's consulting industry is estimated to be 18,000 persons.

Approximately 750 permit holders did not respond to the survey. A review of the control list indicates that most of those not responding were smaller firms. Collectively they could represent 1,500 employees.

In addition, 117 respondents did not provide detailed employment data. Assuming they are average-sized companies, they would employ 2,788 persons.

Several of the firms also have offices in other provinces or are part of larger Canadian organizations. Total Canadian employment represented by all the firms responding was 23,958 in December 1985. Alberta offices represent 57 percent of this total.

Size of Firms

Table 3 shows the size of Alberta companies that responded to the survey. The data are displayed graphically on Figure 1. Table 3 also provides data, as reported in the 1984 edition of the Consulting Index.

TABLE 3

SIZE OF RESPONDING FIRMS

	******** 1984 ********		******** 1986 ********	
Employees (Alberta)	**No. of Firms**	**% of Total**	**No. of Firms**	**% of Total**
1 - 4	329	49.6	348	51.0
5 - 9	128	19.3	132	19.4
10 - 19	85	12.8	83	12.1
20 - 49	58	8.7	51	7.5
50 - 99	28	4.2	26	3.8
100 - 249	18	2.7	22	3.2
250 - 499	11	1.7	12	1.8
500 +	6	0.9	8	1.2
TOTAL	663	100.0	682	100.0
Average employed	21		24	

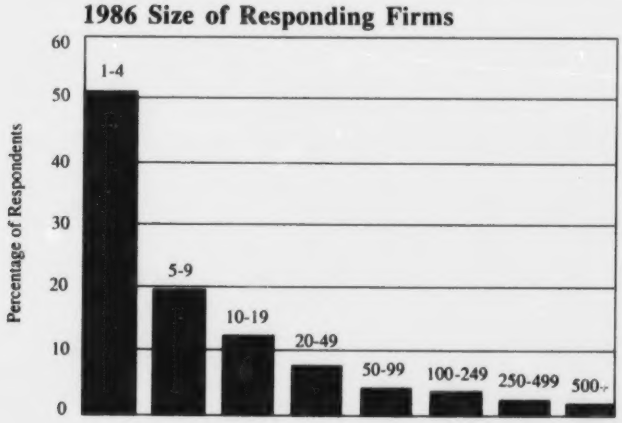
1986 Size of Responding Firms

Figure 1

From the collected data, it is evident that many of the firms are relatively small in size. Slightly more than six percent of the firms employ more than 100 persons. Seventy percent have fewer than 10 employees, while the average company size is 24 employees. The proportion of very small firms has remained constant since the last survey. The breakdown by employee type is shown on Table 4. Note that some firms provided aggregate data, so category breakdowns are only indicators. However, it appears that the numbers of professional staff are dropping while support staff is increasing. This is perhaps a reflection of the growing number of 'family' firms.

TABLE 4

REPORTED EMPLOYMENT BY TYPE OF EMPLOYEE AS AT DECEMBER 31/85

	ALBERTA			CANADA		
	1983	**1984**	**1985**	**1983**	**1984**	**1985**
Professional	3553	3291	3909	6283	5934	6376
Technical	3548	3523	4165	5471	5224	6285
Support	4770	4708	5299	5887	5594	6690
No Breakdown by skill	190	212	282	4540	4532	4607
TOTAL	12061	11734	13655	22181	21284	23958

Based on 573 firms providing detailed information.

Note:
1. Data exclude two firms, both utilities, which provided data covering their entire complement of employees and do not therefore reflect consulting operations.
2. Canadian employment represents total employment by firms responding to the survey.
3. Totals may not add since some firms provided total employment only.

D. FEE BILLINGS

Total Billings

It is estimated that consulting engineering, geological and geophysical firms in Alberta generated total fee billings of approximately $ 700 million in 1985. The firms which responded to this part of the survey account for seven-eighths of the total estimated industry revenues.

Trends in Billings

Because different methods were used for the 1983 and 1985 surveys, a comparison between years is difficult. However, trends show that while billings have decreased in 1985 since 1983, billings are up from 1984 levels.

The total number of Alberta consulting firms has remained relatively constant while fee rates have declined. One concludes that fee rates are under pressure, since total employment has not changed significantly.

Geographic Distribution of Billings

The consulting firms were asked to provide a breakdown of revenues derived from Alberta, the remainder of Canada and foreign sources for the years 1983 to 1985. In total, 432 firms provided data. Revenues are tabulated on Table 5 and are shown graphically on Figure 2.

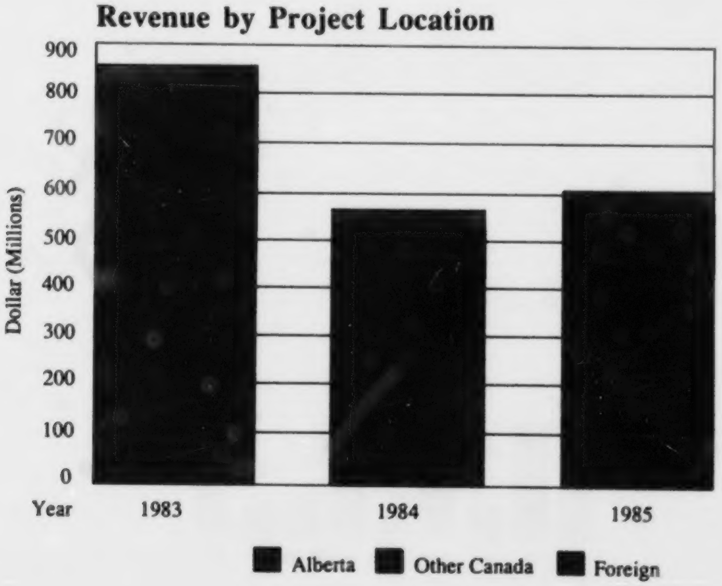

Figure 2

TABLE 5

REVENUE BY PROJECT LOCATION (millions)

	1983		1984		1985	
	$	%	$	%	$	%
Alberta	645	75	428	75	443	73
Other Canada	170	20	95	17	118	19
Export	46	5	37	7	42	7
TOTAL*	869	100	572	100	572	100

*432 firms included. Total may not add since some firms provided total revenue only.

Growth in Export Revenue

The revenue generated by Alberta engineering offices for work outside the province varied from 1983 to 1985 as indicated on Table 5. Revenues for the remainder of Canada decreased during this period by about one-third.

Revenues by Type of Client

TABLE 6

Distribution of Total Fee Revenues by Type of Client

	1983		1984		1985	
	$000	%	$000	%	$000	%
Government						
Local	41,192	5	37,953	7	38,989	7
Provincial	46,212	6	34,772	7	42,499	8
Federal	14,375	2	24,499	5	21,467	4
Foreign	7,987	1	7,769	1	10,103	2
Total Government	109,767	13	104,992	20	113,059	21
Private						
Alberta	516,119	62	341,132	64	339,380	62
Canada	143,385	17	67,438	13	76,450	14
Foreign	61,150	7	16,848	3	17,668	3
Total Private	720,654	87	425,418	80	433,498	79
TOTAL	830,421	100	530,411	100	546,557	100

Distribution of Billing by Service Branch

The absolute and relative contributions of the major service branches to total and export revenues in 1985 are shown on Table 7 for firms that provided such data. The distribution is also depicted on Figures 3 and 4.

TABLE 7

Distribution of 1985 Fee Revenues by Service Branch

Major Service Branch	Total Revenues $000	Total Revenues %	Export Revenues $000	Export Revenues %
Pre-investment/Feasibility Studies	22,362	4.4	2,539	8.4
Market/Tariff Studies	786	0.2	13	0.0
Economic/Financial & Cost Benefit	12,893	2.6	794	2.6
Research and Development	13,733	2.7	1,223	4.0
Design and Specification	215,392	42.7	6,028	19.9
Qty Surveying/Cost Est/Sched	7,492	1.5	225	0.7
Contract Docs/Bid Evaluation	8,753	1.7	287	0.9
Procurement Services	11,590	2.3	295	1.0
Const. Supervision/Inspection	40,627	8.1	2,219	7.3
Construction Management	28,701	5.7	667	2.2
Project Management	29,666	5.9	2,822	9.3
Technical Assistance/Advisory Services	39,574	7.9	6,118	20.2
Start-up/Commissioning	4,596	0.9	167	0.6
Production Technology and Management	7,145	1.4	275	0.9
Process Evaluation/Selection	3,184	0.6	49	0.2
Operation & Maintenance Planning	2,621	0.5	318	1.0
Training & Technology Transfer	5,515	1.1	1,667	5.5
Other	49,402	9.8	4,624	15.2
TOTAL	504,030	100.0	30,330	100.0

Totals may not add due to rounding or firms providing total revenues only.

1985 Total Revenues by Service Branch

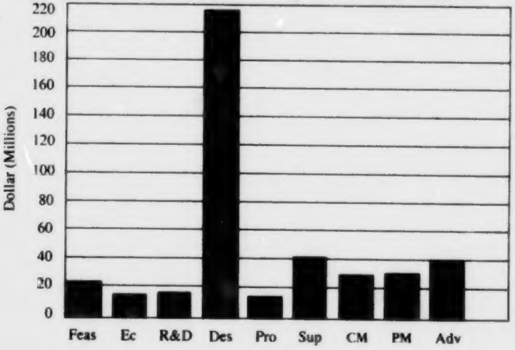

Figure 3

1985 Export Revenues by Service Branch

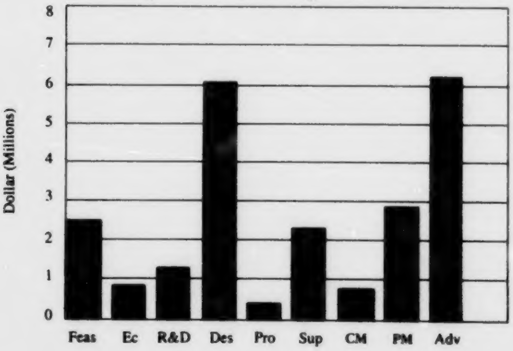

Figure 4

TABLE 8

Distribution of Canadian Fee Revenues by Service Branch ($000)

Major Service Branch	1983	1984	1985
Pre-investment/Feasibility Studies	23,540	15,904	19,823
Market/Tariff Studies	143	533	733
Economic/Financial & Cost Benefit	17,300	11,215	12,099
Research and Development	10,278	10,444	12,510
Design and Specification	253,455	226,519	209,364
Qty Surveying/Cost Est/Sched	34,153	6,963	7,268
Contract Docs/Bid Evaluation	27,659	9,179	8,466
Procurement Services	34,511	8,978	11,295
Const. Supervision/Inspection	134,704	36,031	38,407
Construction Management	53,856	26,334	28,034
Project Management	46,256	21,767	26,844
Technical Assistance/Advisory Services	25,927	24,242	33,455
Start-up/Commissioning	11,120	6,962	4,429
Production Technology and Management	4,600	5,889	6,870
Process Evaluation/Selection	13,723	3,371	3,135
Operation & Maintenance Planning	5,346	2,223	2,303
Training & Technology Transfer	20,756	2,569	3,847
Other	34,214	37,834	44,777
TOTAL	869,229	571,815	606,430

Totals may not add due to some firms providing total revenues only.

Firm Profile

The firms in the province are typically small, with revenues of less than one million dollars per year. Table 9 shows the number of firms which achieve various levels of fee revenues.

TABLE 9

Fee Revenues for Responding Firms (1986)

Annual Sales ($'000/yr)	Number of Firms	% of Firms
1 - 99	202	35.0
100 - 499	205	35.5
500 - 999	85	14.7
1000 - 2999	41	7.1
3000 - 4999	19	3.3
5000 - 24999	25	4.4
25000 - 49999	0	0.0
50000	0	0.0
	577	100.0

The average revenue in 1985 of the 427 firms completing the detailed revenue survey questionnaires amounted to $ 1,420,000. Non-responding firms are generally part-time or very small firms and would reduce this average to some extent.

Median annual revenues in 1985 totalled $210,000 for firms returning the questionnaires.

Average and median revenues by location are shown on Table 10.

TABLE 10

1985 REVENUE PER RESPONDING FIRM BY LOCATION ($/yr)

	Average Revenue	Median Revenue	Firms Reporting
Alberta	$1,070,000	200,000	414
Rest of Canada	747,000	75,000	158
Export	405,000	83,000	104
TOTAL	$1,420,060	210,000	427

List of Consulting Specialties

LIST OF SPECIALTIES

Included in this section is an alphabetical listing of those consultants who have responded to the survey as having experience in the following areas:

LIST OF SPECIALTIES

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Biochemicals 15
Bridges 15
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Buildings, Industrial 17

Chemical Plants 18
Coal Geology 18
Coal Site Development 19
Corrosion Controls 19
Cost Control 19
Cryogenics 20

Dams 20
Drainage and Flood Control 20

Electric Power Plants (Thermal) 21
Electric Power Plants (Hydro) 21
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Traffic and Transportation Systems 43
Tunnels 43

Vibration Analysis 43

Water Supply, Treatment, Storage and Distribution 44
Welding Metallurgy 45

Consulting Firms Indexed by Specialty

1. ACOUSTICS

(H) ALBERTA RESEARCH COUNCIL
(A) BOLSTAD ENGINEERING ASSOCIATES LTD
(I) CITY OF EDMONTON - EDMONTON TELEPHONES
(A) COMTEC ASSOCIATED LIMITED
(B) DYOL ASSOCIATES LTD.
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(G) HARDY ASSOCIATES (1978) LTD.
(A) HFP ACOUSTICAL CONSULTANTS LTD
(D) KEEN ENGINEERING CO. LTD
(B) KEMP ENGINEERING LTD
(C) MAGNA IV ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(F) WESTERN RESEARCH DIVISION OF BOW VALLEY RESOURCE SERVICES LTD.
(B) YEWCHUK ENGINEERING (1979) LTD.

2. AERIAL SURVEYS

(A) ALBERTA CONTRACT ENGINEERING & INSPECTION LTD
(I) ALBERTA POWER LIMITED
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(C) BORCOM ASSOCIATES
(D) CEP CONSULTANTS (1985) LTD.
(C) EASTERN IRRIGATION DISTRICT
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(A) KIRST EXPLORATION
(A) MILLIGAN ENGINEERING SERVICES LTD
(G) MONENCO CONSULTANTS LIMITED
(E) PETROTECH LAVALIN INC.
(A) J.D. SONS & ASSOCIATES MANAGEMENT LTD
(E) STEWART, WEIR & CO.
(G) UMA ENGINEERING LTD.

3. AIR CONDITIONING, HEATING AND VENTILATING

(C) ABBOTTSFIELD ENGINEERING SERVICES LTD
(A) ABRAMS ENGINEERING INC.
(I) ALBERTA POWER LIMITED
(C) ANGUS BUTLER ENGINEERING (1980) LTD
(C) APPLIED ENGINEERING SCIENCES GROUP LTD
(E) ASSOCIATED ENGINEERING ALBERTA LTD
(A) BACZ ENGINEERING LTD
(F) BANTREL GROUP ENGINEERS LTD
(B) BECKER, ELZEIN AND ASSOCIATES LTD
(A) BHM PROJECTS LIMITED
(A) BOLSTAD ENGINEERING ASSOCIATES LTD
(A) BOTAR AGENCY LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(C) CAMREC FACILITIES CONSULTANTS LIMITED
(A) CECOL DIVISION OF KANATA HOLDINGS LTD.
(A) CENTERLINE ENGINEERING CORP.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD
(F) THE COHOS EVAMY PARTNERSHIP
(F) COLT ENGINEERING CORPORATION
(A) CONTINENTAL DESIGN LTD.
(B) CO-ORDINATED ENGINEERING LTD
(D) DOMINION CONSTRUCTION COMPANY LIMITED
(B) DYOL ASSOCIATES LTD.
(B) EMANS, SMITH, ANDERSEN ENGINEERING LTD.
(E) ENDECO ENGINEERING LTD
(C) FIELD, FIELD & FIELD
(A) FITZPATRICK ENGINEERING LIMITED
(G) FLUOR CANADA LTD.
(D) GCG DILLON CONSULTING LTD.
(A) G.P. VALUE ENGINEERING
(B) HASEGAWA AND ASSOCIATES LTD.
(E) HEMISPHERE ENGINEERING INC.
(A) J.D. HENDERSON ENGINEERING LTD.
(A) HOWELL MAYHEW ENGINEERING INC.
(A) H.W.K. HOLDINGS LTD.
(B) ISOTEC LIMITED
(D) KASTEN, EADIE ENGINEERING LTD
(D) KEEN ENGINEERING CO. LTD.
(B) KEITH ENGINEERING LIMITED
(F) M.W. KELLOGG COMPANY LTD
(B) KEMP ENGINEERING LTD.
(E) KILBORN ENERGY INC.
(A) KLEINFELDT CONSULTANTS LTD.
(D) KOLIGER SCHMIDT ARCHITECT ENGINEER
(A) KP ENGINEERING LTD.
(B) KROENING CONSULTANTS LTD.
(E) LAMB MCMANUS ASSOCIATES LTD
(D) LEE'S SHEET METAL (1980) LTD.
(B) MC CUTCHEON ENGINEERING LIMITED
(C) M.H.L. INTERNATIONAL LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) NOREL ENGINEERING
(A) NOVA ENGINEERING LTD.
(A) K.R. OLSEN ENGINEERING LIMITED
(B) OPS ENGINEERING LTD.
(A) D. PANAR & ASSOCIATES ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(B) M.V. PEDERSEN ENGINEERING LTD.
(A) PLISHKA, PRODANIUK, WOODS ASSOCIATES LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(B) RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.
(A) RAKATO CONSULTING ENGINEERING LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) GILBERT M. REKKEN & ASSOCIATES LTD.
(D) RTM ENGINEERING LTD.
(B) SAFRONEK POMEROY & ASSOCIATES LTD.
(A) R.H. SCOTVOLD ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(A) SOLAR ENGINEERING GROUP LTD.
(A) SOUTHLAND ENGINEERING LTD.
(A) SPRATT CONSULTING SERVICES LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(F) STEARNS CATALYTIC LTD.
(C) STEINBRENNER CONSULTANTS LTD.
(B) SUNCORD ENGINEERING LTD.
(B) SUNTON ENGINEERING LTD.
(A) J.E. SWORDER ENGINEERING LTD.
(C) TECHNA-WEST ENGINEERING LTD.
(C) TERREN ENGINEERING LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(A) VENTCO AND ASSOCIATES LTD.
(A) VHM & ASSOCIATES CONSULTING ENGINEERS LTD
(C) WARDROP ALBERTA LTD.
(A) ALLEN WASNEA CONSULTING MECHANICAL ENGINEERS
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(B) YEWCHUK ENGINEERING (1979) LTD.

4. AIR POLLUTION CONTROL

(C) ACCESS PTI TECHNICAL SERVICES LTD.
(I) ALBERTA POWER LIMITED
(E) ASSOCIATED ENGINEERING ALBERTA LTD
(F) BANTREL GROUP ENGINEERS LTD
(C) BEAK ASSOCIATES ENGINEERING LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(A) BHM PROJECTS LIMITED
(C) BORCOM ASSOCIATES
(A) CENTERLINE ENGINEERING CORP.
(E) CHERITON ENGINEERING INC.
(D) DORCAL INDUSTRIES LTD.
(B) DYOL ASSOCIATES LTD.
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(E) FISH ENGINEERING LIMITED
(A) FITZPATRICK ENGINEERING LIMITED
(G) FLUOR CANADA LTD.
(A) W.J. FRANCL CONSULTING LTD
(B) GOLE'S ENGINEERING & CONST. LTD
(G) HARDY ASSOCIATES (1978) LTD.
(A) J.D. HENDERSON ENGINEERING LTD.
(D) KASTEN, EADIE ENGINEERING LTD.
(F) M.W. KELLOGG COMPANY LTD
(B) KEMP ENGINEERING LTD
(F) LUMMUS CANADA INC.
(B) MC CUTCHEON ENGINEERING LIMITED
(C) M.H.L. INTERNATIONAL LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(B) OMEGA ENGINEERING (CANADA) LTD.
(F) PARTEC LAVALIN INC.
(F) PROCOR LIMITED, SULPHUR SERVICES DIVISION
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(B) RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) GILBERT M. REKKEN & ASSOCIATES LTD.
(D) RTM ENGINEERING LTD.
(B) SAFRONEK POMEROY & ASSOCIATES LTD.
(D) SHAWINIGAN INTEG INC.
(B) SKM CONSULTING LTD.
(G) SNC CONSULTANTS LTD.
(A) SPRATT CONSULTING SERVICES LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(A) J.E. SWORDER ENGINEERING LTD.
(C) TECHNA-WEST ENGINEERING LTD.
(A) TERA ENVIRONMENTAL CONSULTANTS (ALTA) LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(G) UMA PRITCHARD LTD.
(B) URBAN SYSTEMS LTD.
(C) WARDROP ALBERTA LTD.
(C) WEISS CONSULTANTS INC.
(F) WESTERN RESEARCH DIVISION OF BOW VALLEY RESOURCE SERVICES LTD.

(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.
(B) YEWCHUK ENGINEERING (1979) LTD.

5. AIRPORTS & FACILITIES

(A) ABRAMS ENGINEERING INC.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(I) ALBERTA POWER LIMITED
(A) ALTIME ENGINEERING LTD.
(A) ANDERSON ENGINEERING LTD.
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
APEM ENGINEERING LTD.
(B) ASPEN ENGINEERING LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(A) BARTON-ASCHMAN ASSOCIATES LIMITED
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(A) BOTAR AGENCY LTD.
(C) DAVID BROMLEY ENGINEERING (1983) LTD.
(C) BUTLER KREBES LEWIS ASSOCIATES LTD.
(C) CAMPBELL WOODALL & ASSOCIATES CONSULTING ENGINEERS LTD.
(C) CARSWELL ENGINEERING LTD.
(A) CENTERLINE ENGINEERING CORP.
(D) CEP CONSULTANTS (1985) LTD.
(E) CHERITON ENGINEERING INC.
(F) THE COHOS EVAMY PARTNERSHIP
(A) COMTEC ASSOCIATED LIMITED
(D) COOK CULHAM PEDERSEN & VALENTINE ARCHITECTS AND ENGINEERS
(B) CO-ORDINATED ENGINEERING LTD.
(A) CORPORATE C.R.A.M. ASSOCIATES LTD.
(B) DALCOR INNOVENTURES LTD.
(A) B. DAVISON CONSULTING ENGINEER LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(F) EBA ENGINEERING CONSULTANTS LTD.
(A) FIDIAS CONSULTING ENGINEERING LTD.
(C) FIELD, FIELD & FIELD
(G) FLUOR CANADA LTD.
(A) J.P. FORD CONSTRUCTION MANAGEMENT LTD.
(B) F.Y.N. ENGINEERING LIMITED
(D) GCG DILLON CONSULTING LTD.
(A) G.P. VALUE ENGINEERING
(A) GVM GEOLOGICAL CONSULTANTS LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(E) HEMISPHERE ENGINEERING INC.
(B) HOGGAN ENGINEERING & TESTING (1980) LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(A) JOHNSTON ENGINEERING LTD.
(B) KEMP ENGINEERING LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(B) MATSON ENGINEERING CONSULTANTS LTD.
(C) M.H.L. INTERNATIONAL LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) NESCO CONSULTING LTD.
(G) PCL CONSTRUCTION GROUP INC.
(A) PLISHKA, PRODANIUK, WOODS ASSOCIATES LTD.
(B) B.M. POTTER CONSULTANTS LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(B) SAFRONEK POMEROY & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(E) STEWART, WEIR & CO.
(C) TERREN ENGINEERING LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(B) WALTERS CHAMBERS AND ASSOCIATES LTD.
(C) WARDROP ALBERTA LTD.
(A) ALLEN WASNEA CONSULTING MECHANICAL ENGINEERS
(B) M.P. WERNER ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.

6. ARCTIC BUILDINGS & STRUCTURES

(A) ABRAMS ENGINEERING INC.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(I) ALBERTA POWER LIMITED
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
(B) AOE CONSULTANTS LTD.
APEM ENGINEERING LTD.
(A) ARVIDSON ENGINEERING INC.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(C) BOLTER PARISH TRIMBLE LTD.
(A) BOTAR AGENCY LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(C) CAMPBELL WOODALL & ASSOCIATES CONSULTING ENGINEERS LTD.
(C) CARSWELL ENGINEERING LTD.
(C) CENTRE FOR FRONTIER ENGINEERING RESEARCH
(E) CHERITON ENGINEERING INC.
(F) THE COHOS EVAMY PARTNERSHIP
(D) COOK CULHAM PEDERSEN & VALENTINE ARCHITECTS AND ENGINEERS
(B) CO-ORDINATED ENGINEERING LTD.
(A) CORPORATE C.R.A.M. ASSOCIATES LTD.
(A) K.R. CROASDALE AND ASSOCIATES LTD.
(B) DALCOR INNOVENTURES LTD.
(A) B. DAVISON CONSULTING ENGINEER LTD.
(A) DRIEDGER NEUFELD KOZIAK ENGINEERING LIMITED
(C) DUTHIE, NEWBY, WEBER & ASSOCIATES LTD.
(F) EBA ENGINEERING CONSULTANTS LTD.
(C) THE ENGINEERS COLLABORATIVE
(A) EWS CONSULTANTS LTD.
(A) FIDIAS CONSULTING ENGINEERING LTD.
(A) J.P. FORD CONSTRUCTION MANAGEMENT LTD.
(A) W.J. FRANCL CONSULTING LTD.
(D) GCG DILLON CONSULTING LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(C) GEOCON INC.
(E) GEOTECHNICAL RESOURCES LTD.
(B) G-METRIC ENGINEERING SERVICES LTD.
(A) G.P. VALUE ENGINEERING
(A) LOUIS G. GRIMBLE PROFESSIONAL ENGINEER LTD.
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(A) R.E. HARDER CONSULTING ENGINEERS LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(E) HEMISPHERE ENGINEERING INC.
(B) HMS ENGINEERING LTD.
(B) HO & LAVIOLETTE ENGINEERING LTD.
(B) HOGGAN ENGINEERING & TESTING (1980) LTD.
(A) J.A. ILLMAYER CONSULTING ENGINEERS LTD.
(A) INSPECTIONS UNLIMITED
(B) ERIC P. JOKINEN & ASSOCIATES LTD.
(D) KASTEN, EADIE ENGINEERING LTD.
(B) KEITH ENGINEERING LIMITED
(B) KEMP ENGINEERING LTD.
(E) KILBORN ENERGY INC.
(B) KOMEX CONSULTANTS LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(A) LAVIOLETTE ENGINEERING LTD.
(A) L.E.C. ENGINEERING LTD.
(B) MATSON ENGINEERING CONSULTANTS LTD.
(C) MB ENGINEERING LTD.
(C) M.H.L. INTERNATIONAL LTD.
(B) MID-CANADA CONSULTING GROUP LTD.
(A) MJP & ASSOCIATES ENGINEERING CO. LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) NORBERT R. MORGENSTERN CONSULTING & INVESTMENTS LTD.
(B) J.M. MULLIGAN & ASSOCIATES LTD.
(A) NOREL ENGINEERING
(A) NORRES ENGINEERING SERVICES LTD.
(B) OPS ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(A) PCL ASSOCIATES LTD.
(G) PCL CONSTRUCTION GROUP INC.
(A) PLISHKA, PRODANIUK, WOODS ASSOCIATES LTD.
(A) P.F. PROCTOR CONSULTING LTD.
(A) PTARMIGAN ENGINEERING LIMITED
(B) QUINN DRESSEL JOKINEN
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) GILBERT M. REKKEN & ASSOCIATES LTD.
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(B) SNIHUR CONSULTING LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(B) STRATHCONA ENGINEERING LTD.
(B) SUNCORD ENGINEERING LTD.
(C) TERREN ENGINEERING LTD.
(C) TRI OCEAN PETROLEUM SERVICES LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.

(B) WALTERS CHAMBERS AND ASSOCIATES LTD.
(C) WARDROP ALBERTA LTD.
(B) M.P. WERNER ENGINEERING LTD.
(E) WESTERN ARCHRIB, A DIVISION OF 316291 ALBERTA LTD.

7. ATOMIC ENERGY

(D) ACRES INTERNATIONAL LIMITED
(B) ASPEN ENGINEERING LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(A) BHM PROJECTS LIMITED
(A) CHRONES ENGINEERING CONSULTANTS INC.
(B) DALCOR INNOVENTURES LTD.
(B) DYOL ASSOCIATES LTD.
(F) LUMMUS CANADA INC.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) RESEARCH ELECTRONICS RESELCO LTD.
(A) G. SEDGWICK CONSULTING LTD.
(A) SEPAR SYSTEMS & RESEARCH LTD.
(G) SNC CONSULTANTS LTD.
(C) WEISS CONSULTANTS INC.

8. AUTOMATIC CONTROLS

(C) ABBOTTSFIELD ENGINEERING SERVICES LTD.
(A) ABL ENGINEERING LTD.
(A) ABRAMS ENGINEERING INC.
(I) ALBERTA POWER LIMITED
(H) ALBERTA RESEARCH COUNCIL
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(A) BACZ ENGINEERING LTD.
(A) BALLATER RESOURCES LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(A) ROGER J. BARON ENGINEERS LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(A) BEUKER ENGINEERING LTD.
(A) BHM PROJECTS LIMITED
(C) BORCOM ASSOCIATES
(A) A.S.L. CAMPBELL ENGINEERING LTD.
(C) CAMREC FACILITIES CONSULTANTS LIMITED
(E) CHERITON ENGINEERING INC.
(F) COLT ENGINEERING CORPORATION
(D) A. COMEAU & ASSOCIATES LTD.
(A) COMTEC ASSOCIATED LIMITED
(F) COROD MANUFACTURING LTD.
(B) DALCOR INNOVENTURES LTD.
(A) DELACOUR CONTROL SYSTEMS LTD.
(A) DELCOR ENGINEERING LTD.
(G) DELTA PROJECTS INC.
(A) DIGINETICS ENGINEERING SERVICES LTD.
(B) DYOL ASSOCIATES LTD.
(B) EMANS, SMITH, ANDERSEN ENGINEERING LTD.
(E) ENDECO ENGINEERING LTD.
(E) FISH ENGINEERING LIMITED
(A) FITZPATRICK ENGINEERING LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(B) F.Y.N. ENGINEERING LIMITED
(A) GNOSTAR ENGINEERING INC.
(A) G.P. VALUE ENGINEERING
(E) HEMISPHERE ENGINEERING INC.
(C) HINZ CONSULTING LTD.
(B) ISOTEC LIMITED
(D) KASTEN, EADIE ENGINEERING LTD.
(D) KEEN ENGINEERING CO. LTD.
(F) M.W. KELLOGG COMPANY LTD.
(B) KEMP ENGINEERING LTD.
(F) KENONIC CONTROLS LTD.
(E) KILBORN ENERGY INC.
(D) KOLIGER SCHMIDT ARCHITECT ENGINEER
(B) KROENING CONSULTANTS LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(C) LM & M ENGINEERING LTD.
(F) LUMMUS CANADA INC.
(D) MACDONALD ENGINEERING PROJECTS LTD.
(A) MAGNA ENGINEERING SALES LTD.
(C) MAGNA IV ENGINEERING LTD.
(A) MILAR ENGINEERING LIMITED
(G) MONENCO CONSULTANTS LIMITED
(E) MONENCO ENGINEERS & CONSTRUCTORS INC.
(G) MONENCO LIMITED
(A) NOREL ENGINEERING
(A) NOVA ENGINEERING LTD.
(D) NOVACORP INTERNATIONAL CONSULTING LTD.
(A) K.R. OLSEN ENGINEERING LIMITED
(B) OMEGA ENGINEERING (CANADA) LTD.
(F) PCL-BRAUN-SIMONS LTD.
(B) M.V. PEDERSEN ENGINEERING LTD.
(E) PETROTECH LAVALIN INC.
(B) PROCESS SOLUTIONS CANADA LIMITED
(D) QUANTEL ENGINEERING (1981) LTD.
(B) RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.
(A) RAKATO CONSULTING ENGINEERING LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) GILBERT M. REKKEN & ASSOCIATES LTD.
(A) RESEARCH ELECTRONICS RESELCO LTD.
(A) SCHAFER ENGINEERING SERVICES LTD.
(A) R.H. SCOTVOLD ENGINEERING LTD.
(A) SCRIMES ENGINEERING CONSULTANTS LTD.
(A) G. SEDGWICK CONSULTING LTD.
(D) SENTROL SYSTEMS LTD.
(A) SKY ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(F) SNC/FW LTD.
(A) SPRATT CONSULTING SERVICES LTD.
(F) STEARNS CATALYTIC LTD.
(C) STEINBRENNER CONSULTANTS LTD.
(B) SUNCORD ENGINEERING LTD.
(B) SUNTON ENGINEERING LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(C) TERREN ENGINEERING LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(A) TIER ENGINEERING LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(G) UMA PRITCHARD LTD.
(B) VIATEC RESOURCE SYSTEMS INC.
(A) VOLTECH ENGINEERING LTD.
(C) WARDROP ALBERTA LTD.
(C) WEISS CONSULTANTS INC.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(B) YEWCHUK ENGINEERING (1979) LTD.

9. BIOCHEMICALS

(H) ALBERTA RESEARCH COUNCIL
(C) BEAK ASSOCIATES ENGINEERING LTD.
(E) CHERITON ENGINEERING INC.
(A) FITZPATRICK ENGINEERING LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(F) LUMMUS CANADA INC.
(B) L.V. ENGINEERING LTD.
(F) PARTEC LAVALIN INC.

10. BRIDGES

(C) ACADEMY STEEL DESIGN & FABRICATION LTD.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(A) ALTIME ENGINEERING LTD.
APEM ENGINEERING LTD.
(A) ARVIDSON ENGINEERING INC.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(B) BALL WELDING & METALLURGICAL ENGINEERING LTD.
(A) P.E. BARTLETT & ASSOCIATES LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) BOLTER PARISH TRIMBLE LTD.
(A) CALIBRE ENGINEERING LTD.
(C) CAMPBELL WOODALL & ASSOCIATES CONSULTING ENGINEERS LTD.
(C) CARSWELL ENGINEERING LTD.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(C) CML CONSTRUCTION MANAGEMENT LTD.
(F) THE COHOS EVAMY PARTNERSHIP
(A) CORPORATE C.R.A.M. ASSOCIATES LTD.
(C) COSENTINO & PARTNERS PROJECT CONSULTANTS LTD.
(A) B. DAVISON CONSULTING ENGINEER LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(A) DRIEDGER NEUFELD KOZIAK ENGINEERING LIMITED
(C) DUTHIE, NEWBY, WEBER & ASSOCIATES LTD.
(C) THE ENGINEERS COLLABORATIVE
(A) FIDIAS CONSULTING ENGINEERING LTD.
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.

(A) J.P. FORD CONSTRUCTION MAMAGEMENT LTD.
(A) W.J. FRANCL CONSULTING LTD.
(D) GCG DILLON CONSULTING LTD.
(C) GEOCON INC.
(E) GEOTECHNICAL RESOURCES LTD.
(C) GRAHAM CONSTRUCTION & ENGINEERING (1985) LTD.
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(B) HASEGAWA AND ASSOCIATES LTD.
(A) HD ENGINEERING SERVICES LTD
(A) HERITAGE ENGINEERING LIMITED
(B) HMS ENGINEERING LTD.
(B) HO & LAVIOLETTE ENGINEERING LTD.
(B) HOGGAN ENGINEERING & TESTING (1980) LTD.
(B) HYDROCON ENGINEERING (CONTINENTAL) LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(A) JOHNSTON ENGINEERING LTD.
(D) KASTEN, EADIE ENGINEERING LTD.
(B) KEITH ENGINEERING LIMITED
(E) KILBORN ENERGY INC.
(A) KLEINFELDT CONSULTANTS LTD
(E) LAMB MCMANUS ASSOCIATES LTD.
(A) LAVIOLETTE ENGINEERING LTD.
(B) MATSON ENGINEERING CONSULTANTS LTD.
(C) MB ENGINEERING LTD
(C) M.H.L. INTERNATIONAL LTD.
(A) MJP & ASSOCIATES ENGINEERING CO. LTD.
(A) MKM ENGINEERING CONSULTANTS
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(B) MPE ENGINEERING LTD.
(B) NANUK ENGINEERING & DEVELOPMENT LTD.
(A) NEWTON SOIL & FOUNDATION CONSULTANTS
(B) OLYMPIA ENGINEERING (1982) INC.
(B) PACER DEVELOPMENT SERVICES
(A) PCL ASSOCIATES LTD.
(G) PCL CONSTRUCTION GROUP INC.
(C) PCM CONSTRUCTION CONTROL CONSULTANTS LIMITED
(A) W. PETERSON ENGINEERING LTD.
(B) B.M. POTTER CONSULTANTS LTD.
(A) PTARMIGAN ENGINEERING LIMITED
(F) REID CROWTHER & PARTNERS LIMITED
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(A) H.J. SCHEUNHAGE & ASSOCIATES LTD.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(C) TECHNA-WEST ENGINEERING LTD
(C) TERREN ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(B) WALTERS CHAMBERS AND ASSOCIATES LTD.
(C) WARDROP ALBERTA LTD.
(D) W-E-R ENGINEERING LTD.
(B) M.P. WERNER ENGINEERING LTD.

11. BUILDINGS, COMMERCIAL & INSTITUTIONAL

(A) 3D-N ENGINEERING SERVICES LTD.
(A) ABRAMS ENGINEERING INC.
(C) ACADEMY STEEL DESIGN & FABRICATION LTD.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(A) ALAN ENGINEERING CORPORATION LTD.
(I) ALBERTA GOVERNMENT TELEPHONES
(I) ALBERTA POWER LIMITED
(A) ALEXANDER ENGINEERING LTD.
(A) ALTIME ENGINEERING LTD.
(C) ANDERSON ENGINEERING LTD.
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
APEM ENGINEERING LTD
(A) ARVIDSON ENGINEERING INC.
(B) ASPEN ENGINEERING LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(A) BABOWAL BUILDERS & ENGINEERS LTD.
(A) BACZ ENGINEERING LTD.
(B) BALL WELDING & METALLURGICAL ENGINEERING LTD.
(A) P.E. BARTLETT & ASSOCIATES LTD.
(A) BEARDEN ENGINEERING CONSULTANTS LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(D) BIRD CONSTRUCTION COMPANY LIMITED
(C) BOLTER PARISH TRIMBLE LTD.
(C) BORCOM ASSOCIATES
(A) BOTAR AGENCY LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(A) CALIBRE ENGINEERING LTD.
(C) CAMPBELL WOODALL & ASSOCIATES CONSULTING ENGINEERS LTD.
(C) CAMREC FACILITIES CONSULTANTS LIMITED
(A) CANPAR ENGINEERING LTD.
(C) CARSWELL ENGINEERING LTD.
(A) CASCADE ENGINEERING LTD.
(A) CECOL DIVISION OF KANATA HOLDINGS LTD.
(A) CENTERLINE ENGINEERING CORP.
(A) CHELBA ENTERPRISES LTD.
(E) CHERITON ENGINEERING INC.
(C) CML CONSTRUCTION MANAGEMENT LTD.
(F) THE COHOS EVAMY PARTNERSHIP
(F) COLT ENGINEERING CORPORATION
(D) COOK CULHAM PEDERSEN & VALENTINE ARCHITECTS AND ENGINEERS
(B) CO-ORDINATED ENGINEERING LTD.
(C) COSENTINO & PARTNERS PROJECT CONSULTANTS LTD.
(B) GLENN H. CURTIS & ASSOCIATES LIMITED
(B) DALCOR INNOVENTURES LTD.
(A) B. DAVISON CONSULTING ENGINEER LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(D) DOMINION CONSTRUCTION COMPANY LIMITED
(D) DORCAL INDUSTRIES LTD.
(A) DRIEDGER NEUFELD KOZIAK ENGINEERING LIMITED
(C) DUTHIE, NEWBY, WEBER & ASSOCIATES LTD.
(B) DYOL ASSOCIATES LTD.
(B) EMANS, SMITH, ANDERSEN ENGINEERING LTD.
(C) THE ENGINEERS COLLABORATIVE
(A) EWS CONSULTANTS LTD.
(A) FIDIAS CONSULTING ENGINEERING LTD.
(C) FIELD, FIELD & FIELD
(A) FITZPATRICK ENGINEERING LIMITED
(G) FLUOR CANADA LTD.
(A) W.J. FRANCL CONSULTING LTD.
(B) F.Y.N. ENGINEERING LIMITED
(D) GCG DILLON CONSULTING LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(B) GLOBAL ENGINEERING AND TESTING LTD.
(D) GPEC CONSULTING LTD.
(A) G.P. VALUE ENGINEERING
(C) GRAHAM CONSTRUCTION & ENGINEERING (1985) LTD.
(A) LOUIS G. GRIMBLE PROFESSIONAL ENGINEER LTD.
(A) G.S. ENGINEERING LTD.
(A) H2O ENGINEERING LTD.
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(A) HARBINSON DEVELOPMENT SERVICES LTD.
(A) R.E. HARDER CONSULTING ENGINEERS LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(A) HD ENGINEERING SERVICES LTD.
(A) J.D. HENDERSON ENGINEERING LTD.
(A) HERITAGE ENGINEERING LIMITED
(B) HMS ENGINEERING LTD.
(B) HO & LAVIOLETTE ENGINEERING LTD.
(B) HOGGAN ENGINEERING & TESTING (1980) LTD.
(A) J.F. HUNT CONSULTING LTD.
(A) H.W.K. HOLDINGS LTD.
(A) J.A. ILLMAYER CONSULTING ENGINEERS LTD.
(A) INSPECTIONS UNLIMITED
(B) ISOTEC LIMITED
(A) JOHNSTON ENGINEERING LTD.
(A) W.G. JOHNSTON CORPORATION
(B) ERIC P. JOKINEN & ASSOCIATES LTD.
(D) KASTEN, EADIE ENGINEERING LTD.
(D) KEEN ENGINEERING CO. LTD.
(B) KEITH ENGINEERING LIMITED
(F) M.W. KELLOGG COMPANY LTD.
(B) KEMP ENGINEERING LTD.
(B) KENEEMA ENGINEERING LTD.
(E) KILBORN ENERGY INC.
(A) KLEINFELDT CONSULTANTS LTD.
(D) KOLIGER SCHMIDT ARCHITECT ENGINEER
(A) KP ENGINEERING LTD.
(B) KROENING CONSULTANTS LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(A) LAVIOLETTE ENGINEERING LTD.
(A) LLUKAY RESEARCH AND DEVELOPMENT LTD.
(B) L.V. ENGINEERING LTD.
(A) L.W.T. ENGINEERING SERVICE
(A) R.F. MANUEL ENGINEERING LTD.
(B) MATSON ENGINEERING CONSULTANTS LTD.
(C) MB ENGINEERING LTD.
(A) MCBRIDE CONSULTANTS LTD.
(B) MCMURRAY PLANT AND FACILTIES ENGINEERING LTD.
(A) MEDHURST, HOGG, SOBOTTKA & ASSOCIATES LIMITED
(C) M.H.L. INTERNATIONAL LTD.
(B) MID-CANADA CONSULTING GROUP LTD.

(A) MILLIGAN ENGINEERING SERVICES LTD.
(A) MJP & ASSOCIATES ENGINEERING CO. LTD.
(A) MKM ENGINEERING CONSULTANTS
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(B) J.M. MULLIGAN & ASSOCIATES LTD.
(B) NANUK ENGINEERING & DEVELOPMENT LTD.
(A) NESCO CONSULTING LTD.
(A) NEWTON SOIL & FOUNDATION CONSULTANTS
(A) NOREL ENGINEERING
(A) NOVA ENGINEERING LTD.
(A) K.R. OLSEN ENGINEERING LIMITED
(B) OLYMPIA ENGINEERING (1982) INC.
(A) OMEGA ENGINEERING LTD.
(B) PACER DEVELOPMENT SERVICES
(A) KEITH K. PAGET ENGINEERING LTD.
(A) D. PANAR & ASSOCIATES ENGINEERING LTD.
(A) PCL ASSOCIATES LTD.
(G) PCL CONSTRUCTION GROUP INC.
(C) PCM CONSTRUCTION CONTROL CONSULTANTS LIMITED
(A) PETROFIN ENTERPRISES LTD.
(A) PLISHKA, PRODANIUK, WOODS ASSOCIATES LTD.
(B) B.M. POTTER CONSULTANTS LTD.
(A) PRISM ENGINEERING & SURVEYS LTD.
(A) P.F. PROCTOR CONSULTING LTD.
(A) PTARMIGAN ENGINEERING LIMITED
(B) QUINN DRESSEL JOKINEN
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(B) RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) GILBERT M. REKKEN & ASSOCIATES LTD.
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(A) P.E. RIVERS AND ASSOCIATES LTD.
(D) RTM ENGINEERING LTD.
(B) RUSSELL & BAIRD ARCHITECTS LTD.
(A) H.J. SCHEUNHAGE & ASSOCIATES LTD.
(C) SCHMIDT FELDBERG CROLL HENDERSON ARCHITECTS.ENGINEERS
(A) R.H. SCOTVOLD ENGINEERING LTD.
(B) SEABORN CONSULTANTS LTD.
(B) SERV-ALTA ENGINEERING LTD.
(A) SKY ENGINEERING LTD.
(A) A. EDWARD SMITH & ASSOCIATES LTD.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(B) SNIHUR CONSULTING LTD.
(A) SOLAR ENGINEERING GROUP LTD.
(A) SOUTHLAND ENGINEERING LTD.
(A) SPRATT CONSULTING SERVICES LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(C) STEINBRENNER CONSULTANTS LTD.
(A) M. STRZELECKI CONSULTING ENGINEERS LTD.
(B) SUNCORD ENGINEERING LTD.
(B) SUNTON ENGINEERING LTD.
(A) TEAM PROJECTS LTD.
(C) TECHNA-WEST ENGINEERING LTD.
(C) TERREN ENGINEERING LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(A) VENTCO AND ASSOCIATES LTD.
(B) WALTERS CHAMBERS AND ASSOCIATES LTD.
(C) WARDROP ALBERTA LTD.
(A) ALLEN WASNEA CONSULTING MECHANICAL ENGINEERS
(B) WASNEA & ASSOCIATES ENGINEERING LTD.
(B) M.P. WERNER ENGINEERING LTD.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.
(B) YEWCHUK ENGINEERING (1979) LTD.

12. BUILDINGS, INDUSTRIAL

(C) ABBOTTSFIELD ENGINEERING SERVICES LTD.
(A) ABL ENGINEERING LTD.
(A) ABRAMS ENGINEERING INC.
(C) ACADEMY STEEL DESIGN & FABRICATION LTD.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(A) ALAN ENGINEERING CORPORATION LTD.
(I) ALBERTA POWER LIMITED
(A) ALEXANDER ENGINEERING LTD.
(A) ALTIME ENGINEERING LTD.
(A) ANDERSON ENGINEERING LTD.
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
APEM ENGINEERING LTD.
(A) ARVIDSON ENGINEERING INC.
(B) ASPEN ENGINEERING LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(A) BACZ ENGINEERING LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(B) BALL WELDING & METALLURGICAL ENGINEERING LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(A) ROGER J. BARON ENGINEERS LTD.
(A) P.E. BARTLETT & ASSOCIATES LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(A) BEARDEN ENGINEERING CONSULTANTS LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(D) BIRD CONSTRUCTION COMPANY LIMITED
(C) BOLTER PARISH TRIMBLE LTD.
(C) BORCOM ASSOCIATES
(A) BOTAR AGENCY LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(C) CAMPBELL WOODALL & ASSOCIATES CONSULTING ENGINEERS LTD.
(C) CAMREC FACILITIES CONSULTANTS LIMITED
(C) CARSWELL ENGINEERING LTD.
(A) CECOL DIVISION OF KANATA HOLDINGS LTD.
(A) CENTERLINE ENGINEERING CORP.
(A) CHELBA ENTERPRISES LTD.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(C) CML CONSTRUCTION MANAGEMENT LTD.
(F) THE COHOS EVAMY PARTNERSHIP
(F) COLT ENGINEERING CORPORATION
(D) COOK CULHAM PEDERSEN & VALENTINE ARCHITECTS AND ENGINEERS
(B) CO-ORDINATED ENGINEERING LTD.
(A) CORPORATE C.R.A.M. ASSOCIATES LTD.
(C) COSENTINO & PARTNERS PROJECT CONSULTANTS LTD.
(B) GLENN H. CURTIS & ASSOCIATES LIMITED
(C) CVS ENGINEERING SERVICES LTD.
(B) DALCOR INNOVENTURES LTD.
(A) B. DAVISON CONSULTING ENGINEER LTD.
(D) DB ENGINEERS & CONSTRUCTORS
(F) DELCAN DELEUW CATHER WESTERN LTD.
(G) DELTA PROJECTS INC.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(D) DOMINION CONSTRUCTION COMPANY LIMITED
(D) DORCAL INDUSTRIES LTD.
(A) DRIEDGER NEUFELD KOZIAK ENGINEERING LIMITED
(C) DUTHIE, NEWBY, WEBER & ASSOCIATES LTD.
(B) DYOL ASSOCIATES LTD.
(E) ENDECO ENGINEERING LTD.
(C) THE ENGINEERS COLLABORATIVE
(A) EWS CONSULTANTS LTD.
(A) FIDIAS CONSULTING ENGINEERING LTD.
(C) FIELD, FIELD & FIELD
(A) FITZPATRICK ENGINEERING LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(A) W.J. FRANCL CONSULTING LTD.
(D) GCG DILLON CONSULTING LTD.
(B) GLOBAL ENGINEERING AND TESTING LTD.
(B) GOLE'S ENGINEERING & CONST. LTD.
(A) G.P. VALUE ENGINEERING
(C) GRAHAM CONSTRUCTION & ENGINEERING (1985) LTD.
(A) LOUIS G. GRIMBLE PROFESSIONAL ENGINEER LTD.
(B) HANNA & ASSOCIATES ENGINEERING LIMITED
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(A) HARBINSON DEVELOPMENT SERVICES LTD.
(A) R.E. HARDER CONSULTING ENGINEERS LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(A) HD ENGINEERING SERVICES LTD.
(E) HEMISPHERE ENGINEERING INC.
(A) J.D. HENDERSON ENGINEERING LTD.
(A) HERITAGE ENGINEERING LIMITED
(B) HMS ENGINEERING LTD.
(B) HO & LAVIOLETTE ENGINEERING LTD.
(B) HOGGAN ENGINEERING & TESTING (1980) LTD.
(A) H.W.K. HOLDINGS LTD.
(A) J.A. ILLMAYER CONSULTING ENGINEERS LTD.
(A) INSPECTIONS UNLIMITED
(B) ISOTEC LIMITED
(A) W.G. JOHNSTON CORPORATION
(B) ERIC P. JOKINEN & ASSOCIATES LTD.
(A) KALITA PROJECTS INC.
(D) KASTEN, EADIE ENGINEERING LTD.
(D) KEEN ENGINEERING CO. LTD.
(B) KEITH ENGINEERING LIMITED
(F) M.W. KELLOGG COMPANY LTD.

(B) KEMP ENGINEERING LTD.
(B) KENEEMA ENGINEERING LTD.
(E) KILBORN ENERGY INC.
(A) KP ENGINEERING LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(A) LAVIOLETTE ENGINEERING LTD.
(A) LUKAY RESEARCH AND DEVELOPMENT LTD.
(B) L.V. ENGINEERING LTD.
(A) R.F. MANUEL ENGINEERING LTD.
(B) MATSON ENGINEERING CONSULTANTS LTD.
(C) MB ENGINEERING LTD.
(A) MCBRIDE CONSULTANTS LTD.
(B) MCMURRAY PLANT AND FACILTIES ENGINEERING LTD.
(C) M.H.L. INTERNATIONAL LTD.
(A) MJP & ASSOCIATES ENGINEERING CO. LTD.
(A) MKM ENGINEERING CONSULTANTS
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) MOSS INDUSTRIAL SERVICES LTD.
(B) J.M. MULLIGAN & ASSOCIATES LTD.
(B) NANUK ENGINEERING & DEVELOPMENT LTD.
(A) NEWTON SOIL & FOUNDATION CONSULTANTS
(A) NOREL ENGINEERING
(A) NOVA ENGINEERING LTD.
(B) OLYMPIA ENGINEERING (1982) INC.
(B) OMEGA ENGINEERING (CANADA) LTD.
(B) OPS ENGINEERING LTD.
(B) PACER DEVELOPMENT SERVICES
(A) KEITH K. PAGET ENGINEERING LTD.
(A) D. PANAR & ASSOCIATES ENGINEERING LTD.
(A) PCL ASSOCIATES LTD.
(G) PCL CONSTRUCTION GROUP INC.
(C) PCM CONSTRUCTION CONTROL CONSULTANTS LIMITED
(A) PLISHKA, PRODANIUK, WOODS ASSOCIATES LTD.
(B) B.M. POTTER CONSULTANTS LTD.
(A) PRISM ENGINEERING & SURVEYS LTD.
(A) P.F. PROCTOR CONSULTING LTD.
(A) PTARMIGAN ENGINEERING LIMITED
(D) QUANTEL ENGINEERING (1981) LTD.
(B) QUINN DRESSEL JOKINEN
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(B) RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) GILBERT M. REKKEN & ASSOCIATES LTD.
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(A) P.E. RIVERS AND ASSOCIATES LTD.
(B) RUSSELL & BAIRD ARCHITECTS LTD.
(A) H.J. SCHEUNHAGE & ASSOCIATES LTD.
(C) SCHMIDT FELDBERG CROLL HENDERSON ARCHITECTS.ENGINEERS
(A) R.H. SCOTVOLD ENGINEERING LTD.
(B) SEABORN CONSULTANTS LTD.
(D) SHAWINIGAN INTEG INC.
(A) SKY ENGINEERING LTD.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(B) SNIHUR CONSULTING LTD.
(A) SOLAR ENGINEERING GROUP LTD.
(A) SOUTHLAND ENGINEERING LTD.
(A) SPRATT CONSULTING SERVICES LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(C) STEINBRENNER CONSULTANTS LTD.
(B) STRATHCONA ENGINEERING LTD.
(A) M. STRZELECKI CONSULTING ENGINEERS LTD.
(B) SUNCORD ENGINEERING LTD.
(B) SUNTON ENGINEERING LTD.
(C) TECHNA-WEST ENGINEERING LTD.
(C) TERREN ENGINEERING LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(A) TIER ENGINEERING LTD.
(C) TRITEK ENGINEERING CONSULTANTS LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(A) VENTCO AND ASSOCIATES LTD.
(A) VHM & ASSOCIATES CONSULTING ENGINEERS LTD.
(B) WALTERS CHAMBERS AND ASSOCIATES LTD.
(C) WARDROP ALBERTA LTD.
(A) ALLEN WASNEA CONSULTING MECHANICAL ENGINEERS
(B) WASNEA & ASSOCIATES ENGINEERING LTD.
(B) M.P. WERNER ENGINEERING LTD.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.
(B) YEWCHUK ENGINEERING (1979) LTD.

13. CHEMICAL PLANTS

(C) ABBOTTSFIELD ENGINEERING SERVICES LTD.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(H) ALBERTA RESEARCH COUNCIL
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(B) ASPEN ENGINEERING LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(A) BHM PROJECTS LIMITED
(G) BROWN & ROOT LTD.
(A) A.S.L. CAMPBELL ENGINEERING LTD. /
(B) CAN WEST CONSTRUCTION (1978) LTD.
CAN WEST ENGINEERING LTD.
(D) CATALYST TECHNOLOGY (CANADA) LTD.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(A) CHRONES ENGINEERING CONSULTANTS INC.
(C) CML CONSTRUCTION MANAGEMENT LTD.
(F) COLT ENGINEERING CORPORATION
(D) COOK CULHAM PEDERSEN & VALENTINE ARCHITECTS AND ENGINEERS
(B) CO-ORDINATED ENGINEERING LTD.
(B) GLENN H. CURTIS & ASSOCIATES LIMITED
(B) DALCOR INNOVENTURES LTD.
(G) DELTA PROJECTS INC.
(A) DYNATECH DESIGNS LTD.
(E) ENDECO ENGINEERING LTD.
(A) FIDIAS CONSULTING ENGINEERING LTD.
(E) FISH ENGINEERING LIMITED
(A) FITZPATRICK ENGINEERING LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(B) GENERAL PHYSICS CORPORATION
(E) GENEREX PROJECT MANAGEMENT LTD.
(B) HO & LAVIOLETTE ENGINEERING LTD.
(B) HOGGAN ENGINEERING & TESTING (1980) LTD.
(B) HYCARB ENGINEERING LTD.
(A) INTERNATIONAL PROJECT MANAGEMENT
(E) I.P. CONSTRUCTORS LTD.
(A) KARST RESOURCE CONSULTANTS LTD.
(D) KASTEN, EADIE ENGINEERING LTD.
(E) KILBORN ENERGY INC.
(A) KOTYK ENGINEERING LTD.
(C) LM & M ENGINEERING LTD.
(B) LOTEPRO PLANTS LIMITED
(F) LUMMUS CANADA INC.
(D) MACDONALD ENGINEERING PROJECTS LTD.
(A) MILAR ENGINEERING LIMITED
(G) MONENCO CONSULTANTS LIMITED
(E) MONENCO ENGINEERS & CONSTRUCTORS INC.
(G) MONENCO LIMITED
(A) MOSS INDUSTRIAL SERVICES LTD.
(A) J.K. NELSON & ASSOCIATES LTD.
(G) NOWSCO WELL SERVICE LTD.
(B) OPS ENGINEERING LTD.
(B) PACER DEVELOPMENT SERVICES
(F) PARTEC LAVALIN INC.
(F) PCL-BRAUN-SIMONS LTD.
(G) PCL CONSTRUCTION GROUP INC.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(C) REINTJES ENGINEERING LTD.
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(D) D.B. ROBINSON & ASSOCIATES LTD.
(D) RTM ENGINEERING LTD.
(A) SEALE ENGINEERING LTD.
(A) SIMMONS ENGINEERING LTD.
(B) SKM CONSULTING LTD.
(A) SKY ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(F) SNC/FW LTD.
(F) STEARNS CATALYTIC LTD.
(C) TECHNA-WEST ENGINEERING LTD.
(C) TWS ENGINEERING LTD.
(G) UMA PRITCHARD LTD.
(F) UNIVERSAL INDUSTRIES LTD.
(C) WEISS CONSULTANTS INC.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(D) D.M. WOLCOTT & ASSOCIATES LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.

14. COAL GEOLOGY

(I) ALBERTA POWER LIMITED
(H) ALBERTA RESEARCH COUNCIL

(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(B) ASSOCIATED MINING CONSULTANTS LTD.
(A) BERKOWITZ CONSULTING INC.
(C) BORCOM ASSOCIATES
(D) CENTURY GEOPHYSICAL CORPORATION OF CANADA
(C) COAL MINING RESEARCH COMPANY
(D) DB ENGINEERS & CONSTRUCTORS
(F) EBA ENGINEERING CONSULTANTS LTD.
(A) GANDALF EXPLORATION SERVICES LTD.
(C) GEO-PHYSI-CON CO. LTD.
(A) HALFERDAHL & ASSOCIATES LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(A) JAYCON RECONNAISSANCE
(A) R.D. JOHNSON & ASSOCIATES LTD.
(A) R.W. MAY & ASSOCIATES LTD.
(A) F.D. MC COSH RESOURCE CONSULTANTS LTD.
(A) MINPROBE CONSULTANTS LTD.
(A) C.E. MOELL & ASSOCIATES LTD.
(B) MOH & ASSOCIATES OILFIELD CONSULTANTS LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(D) NORWEST RESOURCE CONSULTANTS LTD.
(D) NOVACORP INTERNATIONAL CONSULTING LTD.
(A) PROTOSTAR RESOURCES LTD.
(A) RAGNAROK CONSULTING SERVICES LTD.
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(B) SIMCOR PETROLEUM APPLICATIONS LTD.
(A) L.A. SMITH CONSULTING & DEVELOPMENT LTD.
(G) SNC CONSULTANTS LTD.
(A) SPRINGFIELD CONSULTING LTD.
(E) SPROULE ASSOCIATES LIMITED
(B) TERRACON GEOTECHNIQUE LTD.
(A) W.H. TISDALL RESOURCES LTD.
(A) ROSS S. VOGAN & ASSOCIATES LTD.

15. COAL SITE DEVELOPMENT

(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(I) ALBERTA POWER LIMITED
(H) ALBERTA RESEARCH COUNCIL
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(A) ARVIDSON ENGINEERING INC.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(B) ASSOCIATED MINING CONSULTANTS LTD.
(A) BERKOWITZ CONSULTING INC.
(C) BORCOM ASSOCIATES
(A) CHELBA ENTERPRISES LTD.
(C) CML CONSTRUCTION MANAGEMENT LTD.
(C) CSC PROJECT MANAGEMENT SERVICES LTD.
(B) DALCOR INNOVENTURES LTD.
(D) DB ENGINEERS & CONSTRUCTORS
(F) EBA ENGINEERING CONSULTANTS LTD.
(E) ENDECO ENGINEERING LTD.
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(A) JOHN GAVORA CONSULTING LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(A) GEO-ENGINEERING (M.S.T.) LTD.
(C) GEO-PHYSI-CON CO. LTD.
(A) GVM GEOLOGICAL CONSULTANTS LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(E) KILBORN ENERGY INC.
(B) KOMEX CONSULTANTS LTD.
(A) MILLIGAN ENGINEERING SERVICES LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(B) NANUK ENGINEERING & DEVELOPMENT LTD.
(A) NEWTON SOIL & FOUNDATION CONSULTANTS
(D) NORWEST RESOURCE CONSULTANTS LTD.
(B) PACER DEVELOPMENT SERVICES
(F) PARTEC LAVALIN INC.
(G) PCL CONSTRUCTION GROUP INC.
(B) PITEAU ENGINEERING LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(A) L.A. SMITH CONSULTING & DEVELOPMENT LTD.
(G) SNC CONSULTANTS LTD.
(E) STEWART, WEIR & CO.
(B) TERRACON GEOTECHNIQUE LTD.
(C) TRITEK ENGINEERING CONSULTANTS LTD.
(D) UMATAC INDUSTRIAL PROCESSES DIVISION OF UMA ENGINEERING LTD.

16. CORROSION CONTROLS

(A) 3D-N ENGINEERING SERVICES LTD.
(C) ABBOTTSFIELD ENGINEERING SERVICES LTD.
(C) ACCESS PTI TECHNICAL SERVICES LTD.
(D) ACRES INTERNATIONAL LIMITED
(I) ALBERTA POWER LIMITED
(H) ALBERTA RESEARCH COUNCIL
(A) ALFOR METALLURGICAL COMPANY LTD.
(C) ANDERSON ASSOCIATES CONSULTING ENGINEERS INC.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(B) ASSOCIATED CORROSION CONSULTANTS LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(A) ROGER J. BARON ENGINEERS LTD.
(A) BHM PROJECTS LIMITED
(A) C & M ENGINEERING LTD.
(D) CCD ENGINEERING LTD.
(C) CENTRE FOR FRONTIER ENGINEERING RESEARCH
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(F) COROD MANUFACTURING LTD.
(A) B. DAVISON CONSULTING ENGINEER LTD.
(A) DELTA WEST DEVELOPMENTS LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(A) G.G. FIRTH ENGINEERING LTD.
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(A) H2O ENGINEERING LTD.
(E) HANSON MATERIALS ENGRG (ALBERTA)
(B) HOOGENSEN METALLURGICAL ENGINEERING LTD.
(E) KILBORN ENERGY INC.
(B) L.V. ENGINEERING LTD.
(C) MAGNA IV ENGINEERING LTD.
(C) MB ENGINEERING LTD.
(A) MCGUFFIN RESOURCE CONSULTANTS LTD.
(A) MJP & ASSOCIATES ENGINEERING CO. LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) NORRES ENGINEERING SERVICES LTD.
(D) NOVACORP INTERNATIONAL CONSULTING LTD.
(E) PETROTECH LAVALIN INC.
(D) QUANTEL ENGINEERING (1981) LTD.
RAM ENGINEERING LTD.
(B) SKM CONSULTING LTD.
(B) YEWCHUK ENGINEERING (1979) LTD.

17. COST CONTROL

(A) ABRAMS ENGINEERING INC.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(A) ADEM ENGINEERING LTD.
(A) ALBERTA CONTRACT ENGINEERING & INSPECTION LTD
(I) ALBERTA POWER LIMITED
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
(B) AOE CONSULTANTS LTD.
APEM ENGINEERING LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(A) ARROW PETROLEUM ENGINEERING LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(A) BALLATER RESOURCES LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(A) ROGER J. BARON ENGINEERS LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(C) BORCOM ASSOCIATES
(A) A.S.L. CAMPBELL ENGINEERING LTD.
(E) CANUCK GIE ENGINEERING LTD.
(A) C-H SYNFUELS LTD.
(E) CHERITON ENGINEERING INC.
(F) THE COHOS EVAMY PARTNERSHIP
(B) CO-ORDINATED ENGINEERING LTD.
(A) CORPORATE C.R.A.M. ASSOCIATES LTD.
(C) CSC PROJECT MANAGEMENT SERVICES LTD.
(B) DALCOR INNOVENTURES LTD.
(A) DELCOR ENGINEERING LTD.
(G) DELTA PROJECTS INC.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(D) DOMINION CONSTRUCTION COMPANY LIMITED
(A) DRILLCOMP ENGINEERING LTD.
(B) DYOL ASSOCIATES LTD.
(C) EASTERN IRRIGATION DISTRICT
(C) ECOS ENGINEERING SERVICES LTD.
(E) FISH ENGINEERING LIMITED
(A) FITZPATRICK ENGINEERING LIMITED

(G) FLUOR CANADA LTD.
(A) J.P. FORD CONSTRUCTION MAMAGEMENT LTD.
(B) F.Y.N. ENGINEERING LIMITED
(A) JOHN GAVORA CONSULTING LTD.
(C) GEMINI ENGINEERING LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(E) GEOTECHNICAL RESOURCES LTD.
(A) G.P. VALUE ENGINEERING
(E) HEMISPHERE ENGINEERING INC.
(A) F.E. HORTON & ASSOCIATES
(A) HVAL CONSULTANTS INC.
(A) INTERNATIONAL PROJECT MANAGEMENT
(A) W.G. JOHNSTON CORPORATION
(A) JOYRAN ENTERPRISES LTD.
(A) KALITA PROJECTS INC.
(A) KARST RESOURCE CONSULTANTS LTD.
(D) KEEN ENGINEERING CO. LTD.
(B) KEITH ENGINEERING LIMITED
(F) M.W. KELLOGG COMPANY LTD.
(E) KILBORN ENERGY INC.
(A) KOTYK ENGINEERING LTD.
(A) LALEN CONSULTING LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(C) LM & M ENGINEERING LTD.
(F) LUMMUS CANADA INC.
(D) MACDONALD ENGINEERING PROJECTS LTD.
(C) MAXWELL ENGINEERING LTD.
(G) MONENCO CONSULTANTS LIMITED
(E) MONENCO ENGINEERS & CONSTRUCTORS INC.
(G) MONENCO LIMITED
(A) NOREL ENGINEERING
(D) NOVACORP INTERNATIONAL CONSULTING LTD.
(C) OHMIC ENGINEERING LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(B) OPS ENGINEERING LTD.
(B) PACER DEVELOPMENT SERVICES
(G) PCL CONSTRUCTION GROUP INC.
(C) PCM CONSTRUCTION CONTROL CONSULTANTS LIMITED
(E) PETROTECH LAVALIN INC.
(D) QUANTEL ENGINEERING (1981) LTD.
(C) REINTJES ENGINEERING LTD.
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(A) SEIDLITZ ENGINEERING LTD.
(D) SHAWINIGAN INTEG INC.
(A) SIMMONS ENGINEERING LTD.
(D) SINGLETON ASSOCIATED ENGINEERING LTD.
(B) SKM CONSULTING LTD.
(G) SNC CONSULTANTS LTD.
(F) SNC/FW LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(F) STEARNS CATALYTIC LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(A) TECHNICUS ENGINEERS & CONSULTANTS LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(G) UMA PRITCHARD LTD.
(B) URBAN SYSTEMS LTD.
(C) WARDROP ALBERTA LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.

18. CRYOGENICS

(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(A) DEREK BROWN ENGINEERING INC.
(G) BROWN & ROOT LTD.
(A) A.S.L. CAMPBELL ENGINEERING LTD.
(F) COLT ENGINEERING CORPORATION
(E) FISH ENGINEERING LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(B) HYPROTECH LTD.
(E) I.P. CONSTRUCTORS LTD.
(F) M.W. KELLOGG COMPANY LTD.
(E) KILBORN ENERGY INC.
(B) LOTEPRO PLANTS LIMITED
(F) LUMMUS CANADA INC.
(C) MAXWELL ENGINEERING LTD.
(A) MILAR ENGINEERING LIMITED
(E) MONENCO ENGINEERS & CONSTRUCTORS INC.
(F) PARTEC LAVALIN INC.
(D) D.B. ROBINSON & ASSOCIATES LTD.
(B) SKM CONSULTING LTD.
(F) STEARNS CATALYTIC LTD.
(G) UMA PRITCHARD LTD.

19. DAMS

(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
APEM ENGINEERING LTD.
(A) ARVIDSON ENGINEERING INC.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(E) BANISTER PIPELINES A DIVISION OF BANISTER CONTINENTAL LTD.
(A) BARAGAR GEOTEC ENGINEERING LTD.
(A) P.E. BARTLETT & ASSOCIATES LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) BOLTER PARISH TRIMBLE LTD.
(C) CARSWELL ENGINEERING LTD.
(A) C-H SYNFUELS LTD.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(A) CORPORATE C.R.A.M. ASSOCIATES LTD.
(C) CSC PROJECT MANAGEMENT SERVICES LTD.
(G) DELTA PROJECTS INC.
(C) EASTERN IRRIGATION DISTRICT
(F) EBA ENGINEERING CONSULTANTS LTD.
(C) ECOS ENGINEERING SERVICES LTD.
(A) E-D-M WATER ENGINEERING SCIENCE & TECHNOLOGY LTD.
(A) FIDIAS CONSULTING ENGINEERING LTD.
(D) GCG DILLON CONSULTING LTD.
(C) GEOCON INC.
(A) GEO-ENGINEERING (M.S.T.) LTD.
(C) GEO-PHYSI-CON CO. LTD.
(E) GEOTECHNICAL RESOURCES LTD.
(A) GVM GEOLOGICAL CONSULTANTS LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(B) HYDROCON ENGINEERING (CONTINENTAL) LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(B) KEITH ENGINEERING LIMITED
(D) KLOHN LEONOFF LTD.
(B) KOMEX CONSULTANTS LTD.
(B) M & S RESEARCH & CONSULTING LTD.
(A) J.N. MACKENZIE ENGINEERING LTD.
(A) MILLIGAN ENGINEERING SERVICES LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) NORBERT R. MORGENSTERN CONSULTING & INVESTMENTS LTD.
(B) MPE ENGINEERING LTD.
(B) NANUK ENGINEERING & DEVELOPMENT LTD.
(A) NEWTON SOIL & FOUNDATION CONSULTANTS
(C) NORTHWEST HYDRAULIC CONSULTANTS LTD.
(B) PACER DEVELOPMENT SERVICES
(G) PCL CONSTRUCTION GROUP INC.
(A) PTARMIGAN ENGINEERING LIMITED
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(B) SAMIDE ENGINEERING LTD.
(D) SHAWINIGAN INTEG INC.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(C) TERREN ENGINEERING LTD.
(D) THURBER CONSULTANTS LTD.
(G) UMA ENGINEERING LTD.
(F) UNIVERSAL INDUSTRIES LTD.
(D) W-E-R ENGINEERING LTD.

20. DRAINAGE & FLOOD CONTROL

(A) 3D-N ENGINEERING SERVICES LTD.
(A) ABRAMS ENGINEERING INC.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(H) ALBERTA RESEARCH COUNCIL
(B) AL-TERRA ENGINEERING LTD.
(A) ALTIME ENGINEERING LTD.
APEM ENGINEERING LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(A) BARAGAR GEOTEC ENGINEERING LTD.
(A) P.E. BARTLETT & ASSOCIATES LTD.
(C) BEAIRSTO-STEWART-WEIR ENGINEERING LIMITED
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) DAVID BROMLEY ENGINEERING (1983) LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(B) BRUYER CONSULTING LTD.
(C) BUTLER KREBES LEWIS ASSOCIATES LTD.
(C) CARSWELL ENGINEERING LTD.
(E) CHERITON ENGINEERING INC.

(E) CH2M HILL ENGINEERING LTD.
(A) CORPORATE C.R.A.M. ASSOCIATES LTD.
(C) CSC PROJECT MANAGEMENT SERVICES LTD.
(B) DALCOR INNOVENTURES LTD.
(A) DALTHAM CONSULTING LTD.
(A) B. DAVISON CONSULTING ENGINEER LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(C) EASTERN IRRIGATION DISTRICT
(F) EBA ENGINEERING CONSULTANTS LTD.
(C) ECOS ENGINEERING SERVICES LTD.
(A) E-D-M WATER ENGINEERING SCIENCE & TECHNOLOGY LTD.
(B) FENTON BERGMAN ENGINEERING LTD.
(A) W.J. FRANCL CONSULTING LTD.
(B) F.Y.N. ENGINEERING LIMITED
(D) GCG DILLON CONSULTING LTD.
(C) GEOCON INC.
(D) GPEC CONSULTING LTD.
(A) GVM GEOLOGICAL CONSULTANTS LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(A) HUBER ENGINEERING INC.
(B) HYDROCON ENGINEERING (CONTINENTAL) LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(B) KEITH ENGINEERING LIMITED
(B) KENEEMA ENGINEERING LTD.
(A) KLEINFELDT CONSULTANTS LTD.
(D) KLOHN LEONOFF LTD.
(B) KOMEX CONSULTANTS LTD.
(A) J.N. MACKENZIE ENGINEERING LTD.
(A) R.G. MARSHALL ENGINEERING & CONSTRUCTION LTD.
(B) MATSON ENGINEERING CONSULTANTS LTD.
(B) MERGE CONSULTING LTD.
(A) MILLIGAN ENGINEERING SERVICES LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(B) MPE ENGINEERING LTD.
(B) NANUK ENGINEERING & DEVELOPMENT LTD.
(A) NESCO CONSULTING LTD.
(A) NEWTON SOIL & FOUNDATION CONSULTANTS
(C) NORTHWEST HYDRAULIC CONSULTANTS LTD.
(A) L.R. OLSON & ASSOCIATES LTD.
(B) OPS ENGINEERING LTD.
(B) PACER DEVELOPMENT SERVICES
(B) PITEAU ENGINEERING LTD.
(B) B.M. POTTER CONSULTANTS LTD.
(A) PRISM ENGINEERING & SURVEYS LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(B) SAMIDE ENGINEERING LTD.
(B) SCHEFFER CONSULTANTS LTD.
(B) SEREDA, MARSH & ASSOCIATES LTD.
(B) SERV-ALTA ENGINEERING LTD.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(A) SOUTHERN LAND DRAINAGE INC.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(E) STEWART, WEIR & CO.
(C) TECHNA-WEST ENGINEERING LTD.
(C) TERREN ENGINEERING LTD.
(B) THIERMAN & ASSOCIATES LTD.
(D) THURBER CONSULTANTS LTD.
(C) TRITEK ENGINEERING CONSULTANTS LTD.
(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(D) WALKER, NEWBY & ASSOCIATES LTD.
(C) WARDROP ALBERTA LTD.
(D) W-E-R ENGINEERING LTD.

21. ELECTRIC POWER PLANTS (THERMAL)

(A) ABRAMS ENGINEERING INC.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(I) ALBERTA POWER LIMITED
(A) ANDERSON ENGINEERING LTD.
(B) ASPEN ENGINEERING LTD.
(A) BHM PROJECTS LIMITED
(G) BROWN & ROOT LTD.
(A) CHELBA ENTERPRISES LTD.
(E) CHERITON ENGINEERING INC.
(A) CHMEL CONSULTING ENGINEERING LTD.
(C) CML CONSTRUCTION MANAGEMENT LTD.
(C) CSC PROJECT MANAGEMENT SERVICES LTD.
(A) DAP ENGINEERING LTD.
(B) DYOL ASSOCIATES LTD.
(A) FIDIAS CONSULTING ENGINEERING LTD.
(G) FLUOR CANADA LTD.
(B) GENERAL PHYSICS CORPORATION
(E) GENEREX PROJECT MANAGEMENT LTD.
(C) GRAHAM CONSTRUCTION & ENGINEERING (1985) LTD.
(A) H2O ENGINEERING LTD.
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(C) HINZ CONSULTING LTD.
(E) I.P. CONSTRUCTORS LTD.
(A) KARST RESOURCE CONSULTANTS LTD.
(D) KASTEN, EADIE ENGINEERING LTD.
(B) MACMASTER ENGINEERING LTD.
(A) MAGNA ENGINEERING SALES LTD.
(C) MAGNA IV ENGINEERING LTD.
(G) MONENCO CONSULTANTS LIMITED
(E) MONENCO ENGINEERS & CONSTRUCTORS INC.
(G) MONENCO LIMITED
(A) OMEGA ENGINEERING LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(A) D. PANAR & ASSOCIATES ENGINEERING LTD.
(G) PCL CONSTRUCTION GROUP INC.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(A) SCHAFER ENGINEERING SERVICES LTD.
(A) SCRIMES ENGINEERING CONSULTANTS LTD.
(D) SHAWINIGAN INTEG INC.
(A) SKY ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(F) STEARNS CATALYTIC LTD.
(B) SUNCORD ENGINEERING LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(A) VOLTECH ENGINEERING LTD.
(C) WEISS CONSULTANTS INC.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.

22. ELECTRIC POWER PLANTS (HYDRO)

(D) ACRES INTERNATIONAL LIMITED
(I) ALBERTA POWER LIMITED
(A) ANDERSON ENGINEERING LTD.
(B) ASPEN ENGINEERING LTD.
(E) BANISTER PIPELINES A DIVISION OF BANISTER CONTINENTAL LTD.
(A) CHELBA ENTERPRISES LTD.
(E) CH2M HILL ENGINEERING LTD.
(A) CHMEL CONSULTING ENGINEERING LTD.
(A) CORPORATE C.R.A.M. ASSOCIATES LTD.
(C) CSC PROJECT MANAGEMENT SERVICES LTD.
(A) DAP ENGINEERING LTD.
(B) DYOL ASSOCIATES LTD.
(A) FIDIAS CONSULTING ENGINEERING LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(C) GRAHAM CONSTRUCTION & ENGINEERING (1985) LTD.
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(C) I.D. ENGINEERING COMPANY LIMITED
(D) KLOHN LEONOFF LTD.
(B) KOMEX CONSULTANTS LTD.
(A) MAGNA ENGINEERING SALES LTD.
(C) MAGNA IV ENGINEERING LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(C) NORTHWEST HYDRAULIC CONSULTANTS LTD.
(A) OMEGA ENGINEERING LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(G) PCL CONSTRUCTION GROUP INC.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(B) SAFRONEK POMEROY & ASSOCIATES LTD.
(D) SHAWINIGAN INTEG INC.
(A) SKY ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(C) WEISS CONSULTANTS INC.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.

23. ELECTRIC POWER TRANSMISSION & DISTRIBUTION

(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(I) ALBERTA POWER LIMITED
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(B) ASPEN ENGINEERING LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(A) CENTERLINE ENGINEERING CORP.

(E) CHERITON ENGINEERING INC.
(A) CHMEL CONSULTING ENGINEERING LTD.
(F) THE COHOS EVAMY PARTNERSHIP
(B) CO-ORDINATED ENGINEERING LTD.
(A) DAP ENGINEERING LTD.
(A) DELACOUR CONTROL SYSTEMS LTD.
(A) DUBETZ ENGINEERING LIMITED
(A) FIDIAS CONSULTING ENGINEERING LTD.
(G) FLUOR CANADA LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(B) HANNA & ASSOCIATES ENGINEERING LIMITED
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(A) HERITAGE ENGINEERING LIMITED
(C) HINZ CONSULTING LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(E) KILBORN ENERGY INC.
(C) LM & M ENGINEERING LTD.
(B) MACMASTER ENGINEERING LTD.
(A) MAGNA ENGINEERING SALES LTD.
(C) MAGNA IV ENGINEERING LTD.
(C) MALTAIS ASSOCIATES SURVEYORS LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(C) NORTHWEST HYDRAULIC CONSULTANTS LTD.
(C) OHMIC ENGINEERING LTD.
(A) OMEGA ENGINEERING LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(A) OPSTAD ENGINEERING LTD.
(D) QUANTEL ENGINEERING (1981) LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(A) RESEARCH ELECTRONICS RESELCO LTD.
(B) SAFRONEK POMEROY & ASSOCIATES LTD.
(A) R.H. SCOTVOLD ENGINEERING LTD.
(A) SCRIMES ENGINEERING CONSULTANTS LTD.
(D) SHAWINIGAN INTEG INC.
(A) SKY ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(C) WARDROP ALBERTA LTD.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.

24. ELECTRICAL SYSTEMS & EQUIPMENT

(C) ABBOTTSFIELD ENGINEERING SERVICES LTD.
(D) ACRES INTERNATIONAL LIMITED
(I) ALBERTA POWER LIMITED
(A) ANDERSON ENGINEERING LTD.
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(B) ASPEN ENGINEERING LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(A) BEUKER ENGINEERING LTD.
(A) BOTAR AGENCY LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(A) CENTERLINE ENGINEERING CORP.
(E) CHERITON ENGINEERING INC.
(A) CHMEL CONSULTING ENGINEERING LTD.
(B) CIMARRON ENGINEERING LTD.
(F) THE COHOS EVAMY PARTNERSHIP
(F) COLT ENGINEERING CORPORATION
(D) A. COMEAU & ASSOCIATES LTD.
(A) CONTINENTAL DESIGN LTD.
(B) CO-ORDINATED ENGINEERING LTD.
(F) COROD MANUFACTURING LTD.
(A) DAP ENGINEERING LTD.
(A) DELACOUR CONTROL SYSTEMS LTD.
(G) DELTA PROJECTS INC.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(A) DUBETZ ENGINEERING LIMITED
(E) ENDECO ENGINEERING LTD.
(A) E.R.M. CONSULTANTS LTD.
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(C) GEMINI ENGINEERING LTD.
(B) GENERAL PHYSICS CORPORATION
(E) GENEREX PROJECT MANAGEMENT LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(E) HEMISPHERE ENGINEERING INC.
(C) HINZ CONSULTING LTD.
(B) ISOTEC LIMITED
(C) KADON ELECTROMECHANICAL SERVICES LTD.
(D) KASTEN, EADIE ENGINEERING LTD.
(F) KENONIC CONTROLS LTD.
(E) KILBORN ENERGY INC.
(D) KLOHN LEONOFF LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(C) LM & M ENGINEERING LTD.
(D) MACDONALD ENGINEERING PROJECTS LTD.
(B) MACMASTER ENGINEERING LTD.
(A) MAGNA ENGINEERING SALES LTD.
(C) MAGNA IV ENGINEERING LTD.
(G) MONENCO CONSULTANTS LIMITED
(E) MONENCO ENGINEERS & CONSTRUCTORS INC.
(G) MONENCO LIMITED
(D) NOVACORP INTERNATIONAL CONSULTING LTD.
(C) OHMIC ENGINEERING LTD.
(A) OMEGA ENGINEERING LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(A) OPSTAD ENGINEERING LTD.
(A) OPTUM GROUP CONSULTANTS LIMITED
(F) PARTEC LAVALIN INC.
(A) PETROFIN ENTERPRISES LTD.
(A) PLISHKA, PRODANIUK, WOODS ASSOCIATES LTD.
(D) QUANTEL ENGINEERING (1981) LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(B) RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) RESEARCH ELECTRONICS RESELCO LTD.
(B) SAFRONEK POMEROY & ASSOCIATES LTD.
(A) R.H. SCOTVOLD ENGINEERING LTD.
(A) SCRIMES ENGINEERING CONSULTANTS LTD.
(A) G. SEDGWICK CONSULTING LTD.
(A) SEPAR SYSTEMS & RESEARCH LTD.
(D) SHAWINIGAN INTEG INC.
(A) SKY ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(F) SNC/FW LTD.
(A) SOUTHLAND ENGINEERING LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(F) STEARNS CATALYTIC LTD.
(B) STEBNICKI CASSIE & ASSOCIATES LTD.
(A) RUDOLF STROEMER ENGINEERING LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(G) UMA PRITCHARD LTD.
(A) VOLTECH ENGINEERING LTD.
(C) WARDROP ALBERTA LTD.
(B) WASNEA & ASSOCIATES ENGINEERING LTD.
(C) WEISS CONSULTANTS INC.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.

25. ELECTRONICS

(D) ACRES INTERNATIONAL LIMITED
(D) ALBERTA MICROELECTRONIC CENTRE
(I) ALBERTA POWER LIMITED
(H) ALBERTA RESEARCH COUNCIL
(C) ANDERSON ASSOCIATES CONSULTING ENGINEERS INC.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(B) ASPEN ENGINEERING LTD.
(A) BARNETT ENGINEERING LTD.
(A) BEUKER ENGINEERING LTD.
(A) CENTERLINE ENGINEERING CORP.
(E) CHERITON ENGINEERING INC.
(D) A. COMEAU & ASSOCIATES LTD.
(A) COMTEC ASSOCIATED LIMITED
(F) COROD MANUFACTURING LTD.
(A) DAP ENGINEERING LTD.
(A) DIGINETICS ENGINEERING SERVICES LTD.
(A) DRB ENGINEERING CONSULTANTS LTD.
(A) FITZPATRICK ENGINEERING LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(E) GEOTECHNICAL RESOURCES LTD.
(A) GNOSTAR ENGINEERING INC.
(C) HARDING INSTRUMENTS CO. LTD.
(A) HASLETT ENGINEERING LTD.
(C) HINZ CONSULTING LTD.
(F) KENONIC CONTROLS LTD.
(E) KILBORN ENERGY INC.
(B) MACMASTER ENGINEERING LTD.
(A) MAGNA ENGINEERING SALES LTD.
(C) MAGNA IV ENGINEERING LTD.

(A) MICROLOGIC LIMITED
(A) M.W. BIOMEDICAL INSPECTION SERVICES LTD.
(C) OHMIC ENGINEERING LTD.
(A) OMEGA ENGINEERING LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(A) PASAR MICRO CONTROLS
(E) PETROTECH LAVALIN INC.
(B) PROCESS SOLUTIONS CANADA LIMITED
(D) QUANTEL ENGINEERING (1981) LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(A) RESEARCH ELECTRONICS RESELCO LTD.
(A) SCRIMES ENGINEERING CONSULTANTS LTD.
(A) G. SEDGWICK CONSULTING LTD.
(D) SENTROL SYSTEMS LTD.
(C) SHERREX SYSTEMS LIMITED
(G) SNC CONSULTANTS LTD.
(B) SUNCORD ENGINEERING LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(G) UMA ENGINEERING LTD.
(B) VIATEC RESOURCE SYSTEMS INC.
(C) WARDROP ALBERTA LTD.
(C) WEISS CONSULTANTS INC.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.

26. ENERGY MGMT./CONSERVATION

(A) ABRAMS ENGINEERING INC.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(A) ADEM ENGINEERING LTD.
(I) ALBERTA POWER LIMITED
(H) ALBERTA RESEARCH COUNCIL
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(A) ARROW PETROLEUM ENGINEERING LTD.
(A) ASHTON PETROLEUM CONSULTANTS LTD.
(B) ASPEN ENGINEERING LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(A) BACZ ENGINEERING LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(A) BERKOWITZ CONSULTING INC.
(A) BHM PROJECTS LIMITED
(C) BORCOM ASSOCIATES
(A) CECOL DIVISION OF KANATA HOLDINGS LTD.
(A) CENTERLINE ENGINEERING CORP.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(A) CHMEL CONSULTING ENGINEERING LTD.
(C) CITIDAL ENGINEERING LTD.
(F) THE COHOS EVAMY PARTNERSHIP
(F) COLT ENGINEERING CORPORATION
(D) A. COMEAU & ASSOCIATES LTD.
(B) CO-ORDINATED ENGINEERING LTD.
(C) CORE LABORATORIES-CANADA, LTD.
(F) D & S PETROLEUM CONSULTING GROUP LTD.
(B) DALCOR INNOVENTURES LTD.
(A) DAP ENGINEERING LTD.
(A) DUBETZ ENGINEERING LIMITED
(B) DYOL ASSOCIATES LTD.
(B) EMANS, SMITH, ANDERSEN ENGINEERING LTD.
(E) ENDECO ENGINEERING LTD.
(A) E.R.M. CONSULTANTS LTD.
(E) FISH ENGINEERING LIMITED
(A) FITZPATRICK ENGINEERING LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(D) GCG DILLON CONSULTING LTD.
(A) G.P. VALUE ENGINEERING
(E) HEMISPHERE ENGINEERING INC.
(A) J.D. HENDERSON ENGINEERING LTD.
(C) HINZ CONSULTING LTD.
(A) HOWELL MAYHEW ENGINEERING INC.
(B) HYCARB ENGINEERING LTD.
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(B) ISOTEC LIMITED
(A) KALITA PROJECTS INC.
(D) KASTEN, EADIE ENGINEERING LTD.
(D) KEEN ENGINEERING CO. LTD.
(B) KEMP ENGINEERING LTD.
(F) KENONIC CONTROLS LTD.
(E) KILBORN ENERGY INC.
(A) KLEINFELDT CONSULTANTS LTD.
(A) KP ENGINEERING LTD.
(B) KROENING CONSULTANTS LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(F) LUMMUS CANADA INC.
(A) MAGNA ENGINEERING SALES LTD.
(C) MAGNA IV ENGINEERING LTD.
(B) MC CUTCHEON ENGINEERING LIMITED
(C) M.H.L. INTERNATIONAL LTD.
(B) MICROSIM PETROLEUM SOFTWARE CORP.
(G) MONENCO CONSULTANTS LIMITED
(E) MONENCO ENGINEERS & CONSTRUCTORS INC.
(G) MONENCO LIMITED
(A) NOREL ENGINEERING
(D) NORWEST RESOURCE CONSULTANTS LTD.
(A) NOVA ENGINEERING LTD.
(D) NOVACORP INTERNATIONAL CONSULTING LTD.
(A) K.R. OLSEN ENGINEERING LIMITED
(A) OMEGA ENGINEERING LTD.
(B) PACER DEVELOPMENT SERVICES
(B) PALLISTER RESOURCE MANAGEMENT LTD.
(A) D. PANAR & ASSOCIATES ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(B) M.V. PEDERSEN ENGINEERING LTD.
(C) PETRESIM ENGINEERING LTD.
(A) PLISHKA, PRODANIUK, WOODS ASSOCIATES LTD.
(A) PROTOSTAR RESOURCES LTD.
(D) QUANTEL ENGINEERING (1981) LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(B) RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.
(A) RAKATO CONSULTING ENGINEERING LTD.
RAM ENGINEERING LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(D) RTM ENGINEERING LTD.
(B) SAFRONEK POMEROY & ASSOCIATES LTD.
(A) JOHN SCOTT ENGINEERING
(A) R.H. SCOTVOLD ENGINEERING LTD.
(A) SCRIMES ENGINEERING CONSULTANTS LTD.
(A) SEIDLITZ ENGINEERING LTD.
(D) SENTROL SYSTEMS LTD.
(C) SHERREX SYSTEMS LIMITED
(B) SIMCOR PETROLEUM APPLICATIONS LTD.
(D) SINGLETON ASSOCIATED ENGINEERING LTD.
(B) SKM CONSULTING LTD.
(A) SKY ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(A) SOLAR ENGINEERING GROUP LTD.
(A) SPRATT CONSULTING SERVICES LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(F) STEARNS CATALYTIC LTD.
(B) STEBNICKI CASSIE & ASSOCIATES LTD.
(C) STEINBRENNER CONSULTANTS LTD.
(A) RUDOLF STROEMER ENGINEERING LTD.
(B) SUNCORD ENGINEERING LTD.
(B) SUNTON ENGINEERING LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(A) J.E. SWORDER ENGINEERING LTD.
(A) TIER ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(G) UMA PRITCHARD LTD.
(A) VENTCO AND ASSOCIATES LTD.
(C) WARDROP ALBERTA LTD.
(B) WASNEA & ASSOCIATES ENGINEERING LTD.
(C) WEISS CONSULTANTS INC.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.
(B) YEWCHUK ENGINEERING (1979) LTD.

27. FIRE PROTECTION SYSTEMS

(A) 3D-N ENGINEERING SERVICES LTD.
(C) ABBOTTSFIELD ENGINEERING SERVICES LTD.
(A) ABRAMS ENGINEERING INC.
(I) ALBERTA POWER LIMITED
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(B) ASPEN ENGINEERING LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(A) BACZ ENGINEERING LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(F) BANTREL GROUP ENGINEERS LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(C) BUTLER KREBES LEWIS ASSOCIATES LTD.

(E) CHERITON ENGINEERING INC.
(A) CHMEL CONSULTING ENGINEERING LTD.
(F) THE COHOS EVAMY PARTNERSHIP
(F) COLT ENGINEERING CORPORATION
(A) CONTINENTAL DESIGN LTD.
(B) CO-ORDINATED ENGINEERING LTD.
(G) DELTA PROJECTS INC.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(A) DUBETZ ENGINEERING LIMITED
(B) DYOL ASSOCIATES LTD.
(B) EMANS, SMITH, ANDERSEN ENGINEERING LTD.
(E) ENDECO ENGINEERING LTD.
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(A) G.P. VALUE ENGINEERING
(B) HASEGAWA AND ASSOCIATES LTD.
(E) HEMISPHERE ENGINEERING INC.
(A) J.D. HENDERSON ENGINEERING LTD.
(C) HINZ CONSULTING LTD.
(B) ISOTEC LIMITED
(A) KALITA PROJECTS INC.
(D) KASTEN, EADIE ENGINEERING LTD.
(D) KEEN ENGINEERING CO. LTD.
(B) KEITH ENGINEERING LIMITED
(F) M.W. KELLOGG COMPANY LTD.
(B) KEMP ENGINEERING LTD.
(E) KILBORN ENERGY INC.
(D) KOLIGER SCHMIDT ARCHITECT ENGINEER
(A) KP ENGINEERING LTD.
(B) KROENING CONSULTANTS LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(C) LM & M ENGINEERING LTD.
(B) L.V. ENGINEERING LTD.
(B) MACMASTER ENGINEERING LTD.
(C) MAGNA IV ENGINEERING LTD.
(B) MC CUTCHEON ENGINEERING LIMITED
(C) M.H.L. INTERNATIONAL LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) NOREL ENGINEERING
(A) NOVA ENGINEERING LTD.
(A) K.R. OLSEN ENGINEERING LIMITED
(B) OMEGA ENGINEERING (CANADA) LTD.
(B) OPS ENGINEERING LTD.
(A) D. PANAR & ASSOCIATES ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(B) M.V. PEDERSEN ENGINEERING LTD.
(D) QUANTEL ENGINEERING (1981) LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(B) RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) GILBERT M. REKKEN & ASSOCIATES LTD.
(B) SAFRONEK POMEROY & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(A) SOLAR ENGINEERING GROUP LTD.
(A) SPRATT CONSULTING SERVICES LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(B) STEBNICKI CASSIE & ASSOCIATES LTD.
(C) STEINBRENNER CONSULTANTS LTD.
(B) SUNCORD ENGINEERING LTD.
(B) SUNTON ENGINEERING LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(A) VENTCO AND ASSOCIATES LTD.
(A) VOLTECH ENGINEERING LTD.
(C) WARDROP ALBERTA LTD.
(A) ALLEN WASNEA CONSULTING MECHANICAL ENGINEERS
(B) WASNEA & ASSOCIATES ENGINEERING LTD.
(C) WEISS CONSULTANTS INC.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.
(B) YEWCHUK ENGINEERING (1979) LTD.

28. FOOD PROCESSING

(A) ABL ENGINEERING LTD.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(A) BHM PROJECTS LIMITED
(A) A.S.L. CAMPBELL ENGINEERING LTD.
(E) CHERITON ENGINEERING INC.
(B) GLENN H. CURTIS & ASSOCIATES LIMITED
(C) CVS ENGINEERING SERVICES LTD.
(G) FLUOR CANADA LTD.
(A) W.J. FRANCL CONSULTING LTD.
(B) GOLE'S ENGINEERING & CONST. LTD.
(A) G.P. VALUE ENGINEERING
(A) F.E. HORTON & ASSOCIATES
(D) KASTEN, EADIE ENGINEERING LTD.
(E) KILBORN ENERGY INC.
(E) LAMB MCMANUS ASSOCIATES LTD.
(F) LUMMUS CANADA INC.
(C) M.H.L. INTERNATIONAL LTD.
(A) KEITH K. PAGET ENGINEERING LTD.
(A) PLISHKA, PRODANIUK, WOODS ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(F) STEARNS CATALYTIC LTD.
(A) TIER ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(C) WARDROP ALBERTA LTD.
(C) WEISS CONSULTANTS INC.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.

29. FOREST RESOURCES PLANNING

(C) BEAK ASSOCIATES ENGINEERING LTD.
(E) CHERITON ENGINEERING INC.
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(E) GENEREX PROJECT MANAGEMENT LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(G) SNC CONSULTANTS LTD.

30. FOREST RESOURCES SURVEY

(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(G) HARDY ASSOCIATES (1978) LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(G) SNC CONSULTANTS LTD.

31. FOUNDATIONS

(C) ACADEMY STEEL DESIGN & FABRICATION LTD.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(A) ADEM ENGINEERING LTD.
(A) ALAN ENGINEERING CORPORATION LTD.
(I) ALBERTA POWER LIMITED
(A) ALTIME ENGINEERING LTD.
APEM ENGINEERING LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(A) ARVIDSON ENGINEERING INC.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(A) BARAGAR GEOTEC ENGINEERING LTD.
(A) ROGER J. BARON ENGINEERS LTD.
(A) P.E. BARTLETT & ASSOCIATES LTD.
(A) BEARDEN ENGINEERING CONSULTANTS LTD.
(A) BECK ENGINEERING LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(A) BEDDOES & DAY MATERIALS RESEARCH LTD.
(C) CAMPBELL WOODALL & ASSOCIATES CONSULTING ENGINEERS LTD.
(C) CAMREC FACILITIES CONSULTANTS LIMITED
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(A) CASCADE ENGINEERING LTD.
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(E) CH2M HILL ENGINEERING LTD.
(F) THE COHOS EVAMY PARTNERSHIP
(F) COLT ENGINEERING CORPORATION
(D) COOK CULHAM PEDERSEN & VALENTINE ARCHITECTS AND ENGINEERS
(A) CORPORATE C.R.A.M. ASSOCIATES LTD.
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(A) B. DAVISON CONSULTING ENGINEER LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(G) DELTA PROJECTS INC.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
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(C) DUTHIE, NEWBY, WEBER & ASSOCIATES LTD.
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(A) FIDIAS CONSULTING ENGINEERING LTD.
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
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(C) GEOCON INC.
(E) GEOTECHNICAL RESOURCES LTD.
(B) GLOBAL ENGINEERING AND TESTING LTD.
(D) GRANT PHIPPS TSUTSUMI & ASSOCIATES LIMITED
(A) G.S. ENGINEERING LTD.
(B) HANNA & ASSOCIATES ENGINEERING LIMITED
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(G) HARDY ASSOCIATES (1978) LTD.
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(B) HO & LAVIOLETTE ENGINEERING LTD.
(B) HOGGAN ENGINEERING & TESTING (1980) LTD.
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(D) KASTEN, EADIE ENGINEERING LTD.
(B) KEITH ENGINEERING LIMITED
(F) M.W. KELLOGG COMPANY LTD.
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(E) KILBORN ENERGY INC.
(A) KLEINFELDT CONSULTANTS LTD.
(D) KLOHN LEONOFF LTD.
(D) KOLIGER SCHMIDT ARCHITECT ENGINEER
(B) KOMEX CONSULTANTS LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(A) LAVIOLETTE ENGINEERING LTD.
(A) R.F. MANUEL ENGINEERING LTD.
(A) R.G. MARSHALL ENGINEERING & CONSTRUCTION LTD.
(C) MB ENGINEERING LTD.
(A) MCBRIDE CONSULTANTS LTD.
(A) MEDHURST, HOGG, SOBOTTKA & ASSOCIATES LIMITED
(C) M.H.L. INTERNATIONAL LTD.
(B) MID-CANADA CONSULTING GROUP LTD.
(A) MILLIGAN ENGINEERING SERVICES LTD.
(A) MJP & ASSOCIATES ENGINEERING CO. LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) MOSS INDUSTRIAL SERVICES LTD.
(B) J.M. MULLIGAN & ASSOCIATES LTD.
(B) NANUK ENGINEERING & DEVELOPMENT LTD.
(A) NESCO CONSULTING LTD.
(D) NOVACORP INTERNATIONAL CONSULTING LTD.
(D) O'CONNOR ASSOCIATES ENVIRONMENTAL INC.
(D) O'CONNOR ASSOCIATES GEOTECHNICAL INC.
(A) JOHN G. OGILVY CONSULTING ENGINEER LTD.
(B) OLYMPIA ENGINEERING (1982) INC.
(B) OMEGA ENGINEERING (CANADA) LTD.
(B) OPS ENGINEERING LTD.
(B) PACER DEVELOPMENT SERVICES
(F) PARTEC LAVALIN INC.
(A) PCL ASSOCIATES LTD.
(G) PCL CONSTRUCTION GROUP INC.
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(A) PRIMUS CONSULTING LTD.
(A) PRISM ENGINEERING & SURVEYS LTD.
(A) PTARMIGAN ENGINEERING LIMITED
(F) REID CROWTHER & PARTNERS LIMITED
(A) GILBERT M. REKKEN & ASSOCIATES LTD.
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
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(A) P.E. RIVERS AND ASSOCIATES LTD.
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(B) SEABORN CONSULTANTS LTD.
(B) SERV-ALTA ENGINEERING LTD.
(D) SHAWINIGAN INTEG INC.
(G) SNC CONSULTANTS LTD.
(F) STEARNS CATALYTIC LTD.
(B) STRATHCONA ENGINEERING LTD.
(A) M. STRZELECKI CONSULTING ENGINEERS LTD.
(C) TECHNA-WEST ENGINEERING LTD.
(C) TERREN ENGINEERING LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(D) THURBER CONSULTANTS LTD.
(G) UMA ENGINEERING LTD.
(B) WALTERS CHAMBERS AND ASSOCIATES LTD.
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32. GAS COLLECTION, TRANSMISSION & DISTRIBUTION

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(A) ALLORE PETROLEUM MANAGEMENT LTD.
(A) ALTIME ENGINEERING LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(B) ASPEN ENGINEERING LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(A) BALLATER RESOURCES LTD.
(A) BANNER ENGINEERING LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(B) BAR ENGINEERING LTD.
(A) ROGER J. BARON ENGINEERS LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(A) BHM PROJECTS LIMITED
(E) BISSETT RESOURCE CONSULTANTS LTD.
(A) BLACK ENGINEERING LTD.
(B) BOWER DAMBERGER ROLSETH ENGINEERING LTD.
(A) DEREK BROWN ENGINEERING INC.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(B) BUCHANAN & ASSOCIATES (ENGINEERS) LTD.
(A) A.S.L. CAMPBELL ENGINEERING LTD.
(E) CANUCK GIE ENGINEERING LTD.
(A) CHAPPEL & COMPANY CONSULTING ENGINEERS LTD.
(B) CIMARRON ENGINEERING LTD.
(E) COLES NIKIFORUK PENNELL ASSOCIATES LTD.
(F) COLT ENGINEERING CORPORATION
(A) COMFORT ENGINEERING LTD.
(C) CORE LABORATORIES-CANADA, LTD.
(F) D & S PETROLEUM CONSULTING GROUP LTD.
(B) DALCOR INNOVENTURES LTD.
(A) DELCOR ENGINEERING LTD.
(A) DELTA WEST DEVELOPMENTS LTD.
(A) DRILLCOMP ENGINEERING LTD.
(B) DYOL ASSOCIATES LTD.
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(A) D.L. FLOCK CONSULTING ENGINEERS LTD.
(G) FLUOR CANADA LTD.
(A) J.P. FORD CONSTRUCTION MAMAGEMENT LTD.
(A) FRICKE ENGINEERING SERVICES LTD.
(A) JOHN GAVORA CONSULTING LTD.
(C) GEMINI ENGINEERING LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(D) GRANT PHIPPS TSUTSUMI & ASSOCIATES LIMITED
(A) GRIFFIN PROJECTS & ENGINEERING LTD.
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(A) HERITAGE ENGINEERING LIMITED
(B) HYCARB ENGINEERING LTD.
(B) HYPROTECH LTD.
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(F) M.W. KELLOGG COMPANY LTD.
(A) KOTYK ENGINEERING LTD.
(A) LALEN CONSULTING LTD.
(A) L.E.C. ENGINEERING LTD.
(B) L.V. ENGINEERING LTD.
(D) MACDONALD ENGINEERING PROJECTS LTD.
(A) MANDHANE CONSULTING SERVICES LTD.
(A) MAR BO INDUSTRIES LTD.
(C) MAXWELL ENGINEERING LTD.
(A) MCGUFFIN RESOURCE CONSULTANTS LTD.
(A) MCLEOD PETROLEUM CONSULTING LTD.
(B) MICROSIM PETROLEUM SOFTWARE CORP.
(A) MILAR ENGINEERING LIMITED
(E) MITCHELL & ASSOCIATES LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) MRW ENGINEERING LTD.
(A) NAGATOMI ENGINEERING LTD.
(B) NEOTECHNOLOGY CONSULTANTS LTD.
(A) NORRES ENGINEERING SERVICES LTD.
(D) NOVACORP INTERNATIONAL CONSULTING LTD.
(C) NOVACORP PRESSURE TRANSPORT LTD.
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(A) PADULA ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(A) PETHELEN RESOURCES (1973) LIMITED
(C) PETRESIM ENGINEERING LTD.
(A) PETROFIN ENTERPRISES LTD.
(A) PETROTECH ENGINEERING LTD.
(E) PETROTECH LAVALIN INC.
(A) PROACTIVE TECHNOLOGIES INTERNATIONAL, INC.
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(D) D.B. ROBINSON & ASSOCIATES LTD.
(D) RTM ENGINEERING LTD.
(A) SCHAFER ENGINEERING SERVICES LTD.
(C) SCION PETROLEUM ENGINEERING LIMITED
(A) SCOTT ENGINEERING SERVICES LTD.
(A) SEIDLITZ ENGINEERING LTD.
(A) SHEWAN PETROLEUM ENGINEERING LTD.
(B) SIMCOR PETROLEUM APPLICATIONS LTD.
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(G) SNC CONSULTANTS LTD.
(F) SNC/FW LTD.
(F) STEARNS CATALYTIC LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
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(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(C) TITAN PROJECTS LTD.
(C) TRI OCEAN PETROLEUM SERVICES LTD.
(C) GRANT TRIMBLE ENGINEERING LTD.
(A) TRUMP RESOURCES LTD.
(G) UMA ENGINEERING LTD.
(G) UMA PRITCHARD LTD.
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(C) WINKELAAR HOWARD & ASSOCIATES LTD.
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33. GAS PLANTS

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(C) ACCESS PTI TECHNICAL SERVICES LTD.
(B) ADART ENGINEERING SERVICES INC.
(H) ALBERTA RESEARCH COUNCIL
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(A) ARVIDSON ENGINEERING INC.
(B) ASPEN ENGINEERING LTD.
(A) BALLATER RESOURCES LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(B) BAR ENGINEERING LTD.
(A) ROGER J. BARON ENGINEERS LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(A) BECK ENGINEERING LTD.
(A) BEDDOES & DAY MATERIALS RESEARCH LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(A) BHM PROJECTS LIMITED
(E) BISSETT RESOURCE CONSULTANTS LTD.
(C) BORCOM ASSOCIATES
(B) BOWER DAMBERGER ROLSETH ENGINEERING LTD.
(A) DEREK BROWN ENGINEERING INC.
(G) BROWN & ROOT LTD.
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(A) A.S.L. CAMPBELL ENGINEERING LTD.
(B) CAN WEST CONSTRUCTION (1978) LTD.
CAN WEST ENGINEERING LTD.
(C) CARSWELL ENGINEERING LTD.
(D) CATALYST TECHNOLOGY (CANADA) LTD.
(C) CML CONSTRUCTION MANAGEMENT LTD.
(E) COLES NIKIFORUK PENNELL ASSOCIATES LTD.
(F) COLT ENGINEERING CORPORATION
(B) CO-ORDINATED ENGINEERING LTD.
(B) GLENN H. CURTIS & ASSOCIATES LIMITED
(F) D & S PETROLEUM CONSULTING GROUP LTD.
(B) DALCOR INNOVENTURES LTD.
(A) DELCOR ENGINEERING LTD.
(G) DELTA PROJECTS INC.
(A) DRILLCOMP ENGINEERING LTD.
(A) DYNATECH DESIGNS LTD.
(B) DYOL ASSOCIATES LTD.
(E) ENDECO ENGINEERING LTD.
(A) FIDIAS CONSULTING ENGINEERING LTD.
(E) FISH ENGINEERING LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(A) FRICKE ENGINEERING SERVICES LTD.
(B) GENERAL PHYSICS CORPORATION
(E) GENEREX PROJECT MANAGEMENT LTD.
(D) GRANT PHIPPS TSUTSUMI & ASSOCIATES LIMITED
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(B) HMS ENGINEERING LTD.
(B) HYCARB ENGINEERING LTD.
(B) HYPROTECH LTD.
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(A) INTERNATIONAL PROJECT MANAGEMENT
(E) I.P. CONSTRUCTORS LTD.
(A) W.G. JOHNSTON CORPORATION
(A) KARST RESOURCE CONSULTANTS LTD.
(D) KASTEN, EADIE ENGINEERING LTD.
(F) M.W. KELLOGG COMPANY LTD.
(E) KILBORN ENERGY INC.
(A) KOTYK ENGINEERING LTD.
(B) LOTEPRO PLANTS LIMITED
(F) LUMMUS CANADA INC.
(B) L.V. ENGINEERING LTD.
(D) MACDONALD ENGINEERING PROJECTS LTD.
(B) MACMASTER ENGINEERING LTD.
(C) MAXWELL ENGINEERING LTD.
(B) MICROSIM PETROLEUM SOFTWARE CORP.
(A) MILAR ENGINEERING LIMITED
(E) MITCHELL & ASSOCIATES LTD.
(G) MONENCO CONSULTANTS LIMITED
(E) MONENCO ENGINEERS & CONSTRUCTORS INC.
(G) MONENCO LIMITED
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(A) MRW ENGINEERING LTD.
(A) J.K. NELSON & ASSOCIATES LTD.
(D) NOVACORP INTERNATIONAL CONSULTING LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(B) OPS ENGINEERING LTD.
(A) PADULA ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(G) PCL CONSTRUCTION GROUP INC.
(A) PETHELEN RESOURCES (1973) LIMITED
(A) PETROFIN ENTERPRISES LTD.
(A) PETROTECH ENGINEERING LTD.
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(C) REINTJES ENGINEERING LTD.
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(C) RICHLYN ENGINEERING LTD.
(D) D.B. ROBINSON & ASSOCIATES LTD.
(D) RTM ENGINEERING LTD.
(B) SCEPTRE ENGINEERING LTD.
(A) SEALE ENGINEERING LTD.
(A) SEIDLITZ ENGINEERING LTD.
(B) SIMCOR PETROLEUM APPLICATIONS LTD.
(B) SKM CONSULTING LTD.
(G) SNC CONSULTANTS LTD.
(F) SNC/FW LTD.
(B) STRATHCONA ENGINEERING LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(A) TENSOR ENGINEERING LIMITED
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(C) TITAN PROJECTS LTD.
(C) TRI OCEAN PETROLEUM SERVICES LTD.
(C) GRANT TRIMBLE ENGINEERING LTD.
(A) TRUMP RESOURCES LTD.
(G) UMA PRITCHARD LTD.
(F) UNIVERSAL INDUSTRIES LTD.
(A) VHM & ASSOCIATES CONSULTING ENGINEERS LTD.
(C) WEISS CONSULTANTS INC.
(F) WESTERN RESEARCH DIVISION OF BOW VALLEY RESOURCE SERVICES LTD.
(A) WIDY ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.
(D) D.M. WOLCOTT & ASSOCIATES LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.

34. GEODETIC SURVEYS

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(C) BORCOM ASSOCIATES

(D) BROWN OKAMURA & ASSOCIATES LTD.
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(A) DALTHAM CONSULTING LTD.
(A) I. ENGLISH GEOPHYSICAL LTD.
(D) HAMILTON & OLSEN SURVEYS LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(C) MALTAIS ASSOCIATES SURVEYORS LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(E) NORTECH SURVEYS (CANADA) INC.
(B) NORTHPOINT LAND SURVEYING & ENGINEERING LTD.
(B) NORTHPOINT LAND SURVEYING & ENGINEERING (HIGH PRAIRIE) LTD.
(A) L.R. OLSON & ASSOCIATES LTD.
(A) PRISM ENGINEERING & SURVEYS LTD.
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(B) J.A. SMITH & ASSOCIATES LTD.
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(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(D) USHER CANADA LIMITED
(D) WALKER, NEWBY & ASSOCIATES LTD.

35. GEOPHYSICAL SURVEYS

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(H) ALBERTA RESEARCH COUNCIL
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(A) BEDIZ EXPLORATION CONSULTANTS LTD.
(C) BORCOM ASSOCIATES
(B) BOYD EXPLORATION CONSULTANTS LTD.
(A) BUTHFER GEOPHYSICAL CONSULTANTS LTD.
(A) CAPILANO GEOPHYSICAL LTD.
(A) CARSWELL CONSULTING LTD.
(D) CENTURY GEOPHYSICAL CORPORATION OF CANADA
(A) A.P. CHASTKO CONSULTANTS LTD.
(C) COAL MINING RESEARCH COMPANY
(A) COMER & WILSON LTD.
(B) COMMONWEALTH GEOPHYSICAL DEVELOPMENT COMPANY LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(F) EBA ENGINEERING CONSULTANTS LTD.
(A) I. ENGLISH GEOPHYSICAL LTD.
(C) GEO-PHYSI-CON CO. LTD.
(C) GEOSIGNAL EXPLORATION LTD.
(A) GKS PETROLEUM CONSULTANTS LTD.
(A) GICO GEOPHYSICAL INTERPRETATION COMPANY LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(A) HASLETT ENGINEERING LTD.
(A) A.J. HINCH CONSULTANTS LTD.
(A) INTERNATIONAL GEOPHYSICAL CONSULTANTS LTD.
(A) IT & A INVERSE THEORY & APPLICATIONS INC.
(A) G.D. KELL & ASSOCIATES LTD.
(A) KIRST EXPLORATION
(A) G.W. LABORDE EXPLORATION CONSULTANTS LTD.
(B) LUNDBERG, GOODWIN & CURTS
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) J.K. MORRISON RESOURCES LTD.
(E) NORCANA RESOURCE SERVICES LTD.
(A) L.R. OLSON & ASSOCIATES LTD.
(B) PALLISTER RESOURCE MANAGEMENT LTD.
(B) DALE PAYNE & ASSOCIATES LTD.
(D) PETREL CONSULTANTS LTD.
(A) PETROLEX CONSULTANTS LTD.
(A) PROTOSTAR RESOURCES LTD.
(D) PULSONIC GEOPHYSICAL LTD.
(B) SEIS-STAR GEOPHYSICAL LTD.
(A) TECHCO GEOPYHSICAL SERVICES LTD.
(D) TEKNICA RESOURCE DEVELOPMENT LTD.
(E) TELEDYNE EXPLORATION LTD.
(C) TRIGG, WOOLLETT, OLSON CONSULTING LTD.
(C) VERITAS GEOPHYSICAL LTD.
(A) WEGA-D GEOPHYSICAL LTD.

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(B) ADART ENGINEERING SERVICES INC.
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(H) ALBERTA RESEARCH COUNCIL
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(C) MAX BAHNSEN CONSULTING LTD.(EPIC CONSULTING GROUP)
(A) BARAGAR GEOTEC ENGINEERING LTD.
(A) P.E. BARTLETT & ASSOCIATES LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(A) BEDDOES & DAY MATERIALS RESEARCH LTD.
(A) BEDIZ EXPLORATION CONSULTANTS LTD.
(C) BORCOM ASSOCIATES
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(A) C & M SYSTEMS SUPPORT (A DIVISION OF C & M LITERATURE RESEARCH LTD.)
(E) CH2M HILL ENGINEERING LTD.
(C) COAL MINING RESEARCH COMPANY
(A) CUMMING EXPLORATION CONSULTANTS LTD.
(F) EBA ENGINEERING CONSULTANTS LTD.
(G) FLUOR CANADA LTD.
(C) GEOCON INC.
(A) GEO-ENGINEERING (M.S.T.) LTD.
(E) GEOTECHNICAL RESOURCES LTD.
(A) GICO GEOPHYSICAL INTERPRETATION COMPANY LTD.
(B) GLOBAL ENGINEERING AND TESTING LTD.
(A) GVM GEOLOGICAL CONSULTANTS LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(B) HOGGAN ENGINEERING & TESTING (1980) LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(D) KLOHN LEONOFF LTD.
(B) KOMEX CONSULTANTS LTD.
(A) L.E.C. ENGINEERING LTD.
(A) R.G. MARSHALL ENGINEERING & CONSTRUCTION LTD.
(A) F.D. MC COSH RESOURCE CONSULTANTS LTD.
(A) MILLIGAN ENGINEERING SERVICES LTD.
(B) MOH & ASSOCIATES OILFIELD CONSULTANTS LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) NORBERT R. MORGENSTERN CONSULTING & INVESTMENTS LTD.
(A) NEWTON SOIL & FOUNDATION CONSULTANTS
(D) NOVACORP INTERNATIONAL CONSULTING LTD.
(D) O'CONNOR ASSOCIATES ENVIRONMENTAL INC.
(D) O'CONNOR ASSOCIATES GEOTECHNICAL INC.
(A) PALLISER CONSULTANTS LIMITED
(B) PALLISTER RESOURCE MANAGEMENT LTD.
(F) PARTEC LAVALIN INC.
(B) PENNELL GEOTECHNICAL ENGINEERING LTD.
(D) PETREL CONSULTANTS LTD.
(A) JACK PICKEL PETROLEUM CONSULTANTS LTD.
(B) PITEAU ENGINEERING LTD.
(A) PRIMUS CONSULTING LTD.
(A) PROTOSTAR RESOURCES LTD.
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(C) RGS CONSULTANTS LTD.
(B) SEREDA, MARSH & ASSOCIATES LTD.
(B) SHAWA GEOCONSULTANTS LTD.
(D) SHELBY ENGINEERING LTD.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(D) TEKNICA RESOURCE DEVELOPMENT LTD.
(B) TERRACON GEOTECHNIQUE LTD.
(C) TERREN ENGINEERING LTD.
(D) THURBER CONSULTANTS LTD.
(A) J.N. TIDSBURY GEOLOGICAL CONSULTANTS LTD.
(C) TRI OCEAN PETROLEUM SERVICES LTD.
(G) UMA ENGINEERING LTD.
(A) ROSS S. VOGAN & ASSOCIATES LTD.

37. GRAIN HANDLING, PROCESSING & STORAGE FACILITIES

(A) ABL ENGINEERING LTD.
(A) ABRAMS ENGINEERING INC.
(D) ACRES INTERNATIONAL LIMITED
APEM ENGINEERING LTD.
(A) BEARDEN ENGINEERING CONSULTANTS LTD.
(C) CARSWELL ENGINEERING LTD.
(E) CHERITON ENGINEERING INC.
(D) COOK CULHAM PEDERSEN & VALENTINE ARCHITECTS AND ENGINEERS
(B) GLENN H. CURTIS & ASSOCIATES LIMITED
(D) DORCAL INDUSTRIES LTD.
(A) DRIEDGER NEUFELD KOZIAK ENGINEERING LIMITED
(E) ENDECO ENGINEERING LTD.
(A) FIDIAS CONSULTING ENGINEERING LTD.
(B) GOLE'S ENGINEERING & CONST. LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(A) R.F. MANUEL ENGINEERING LTD.
(C) M.H.L. INTERNATIONAL LTD.
(B) OLYMPIA ENGINEERING (1982) INC.
(B) PACER DEVELOPMENT SERVICES
(F) REID CROWTHER & PARTNERS LIMITED
(G) STANLEY ASSOCIATES ENGINEERING LTD.

(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(G) UMA ENGINEERING LTD.
(C) WARDROP ALBERTA LTD.
(C) WEISS CONSULTANTS INC.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.

38. GROUNDWATER GEOLOGY

(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(I) ALBERTA POWER LIMITED
(H) ALBERTA RESEARCH COUNCIL
(A) ARVIDSON ENGINEERING INC.
(A) BARAGAR GEOTEC ENGINEERING LTD.
(A) P.E. BARTLETT & ASSOCIATES LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(A) D.W. BERNARD GROUNDWATER CONSULTANTS LTD.
(C) BORCOM ASSOCIATES
(A) C & M SYSTEMS SUPPORT (A DIVISION OF C & M LITERATURE RESEARCH LTD.)
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(C) CORE LABORATORIES-CANADA, LTD.
(F) EBA ENGINEERING CONSULTANTS LTD.
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(D) GCG DILLON CONSULTING LTD.
(E) GEOTECHNICAL RESOURCES LTD.
(B) GLOBAL ENGINEERING AND TESTING LTD.
(D) GPEC CONSULTING LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(B) HYDROGEOLOGICAL CONSULTANTS LTD.
(A) HYDROSPEC CONSULTING LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(A) W.G. JOHNSTON CORPORATION
(A) KAMAC CONSULTANTS LIMITED
(B) KEITH ENGINEERING LIMITED
(D) KLOHN LEONOFF LTD.
(B) KOMEX CONSULTANTS LTD.
(A) MATRIX ENGINEERING LTD.
(A) R.W. MAY & ASSOCIATES LTD.
(A) F.D. MC COSH RESOURCE CONSULTANTS LTD.
(A) MILLIGAN ENGINEERING SERVICES LTD.
(A) MLM GROUND-WATER ENGINEERING LTD.
(A) C.E. MOELL & ASSOCIATES LTD.
(B) MOH & ASSOCIATES OILFIELD CONSULTANTS LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) NORBERT R. MORGENSTERN CONSULTING & INVESTMENTS LTD.
(D) O'CONNOR ASSOCIATES ENVIRONMENTAL INC.
(D) O'CONNOR ASSOCIATES GEOTECHNICAL INC.
(A) L.R. OLSON & ASSOCIATES LTD.
(C) PETRESIM ENGINEERING LTD.
(A) PI GEOLOGICAL CONSULTANTS (1971) LTD.
(B) PITEAU ENGINEERING LTD.
(A) PROTOSTAR RESOURCES LTD.
(A) QUATERNARY GEOSCIENCES LTD.
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(C) RPI CANADA LTD.
(B) SHAWA GEOCONSULTANTS LTD.
(B) P. SIEMENS ENGINEERING SERVICES LTD.
(B) SIMCOR PETROLEUM APPLICATIONS LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(A) TERA ENVIRONMENTAL CONSULTANTS (ALTA) LTD.
(B) TERRACON GEOTECHNIQUE LTD.
(D) THURBER CONSULTANTS LTD.
(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.

39. HIGHWAYS, ROADS & STREETS

(A) 3D-N ENGINEERING SERVICES LTD.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(A) ALAN ENGINEERING CORPORATION LTD.
(H) ALBERTA RESEARCH COUNCIL
(C) ALMOR TESTING SERVICES LTD.
(B) ALPINE ENGINEERING LTD.
(A) ALTIME ENGINEERING LTD.
APEM ENGINEERING LTD.
(A) ARVIDSON ENGINEERING INC.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(E) BANISTER PIPELINES A DIVISION OF BANISTER CONTINENTAL LTD.
(A) BARAGAR GEOTEC ENGINEERING LTD.
(A) P.E. BARTLETT & ASSOCIATES LTD.
(A) BARTON-ASCHMAN ASSOCIATES LIMITED
(C) BEAIRSTO-STEWART-WEIR ENGINEERING LIMITED
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) BOLTER PARISH TRIMBLE LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(B) BRUYER CONSULTING LTD.
(C) BUTLER KREBES LEWIS ASSOCIATES LTD.
(C) CAMPBELL WOODALL & ASSOCIATES CONSULTING ENGINEERS LTD.
(B) CAN TRAFFIC SERVICES LTD.
(A) CANADIAN PORTLAND CEMENT ASSOCIATION
(C) CARSWELL ENGINEERING LTD.
(D) CEP CONSULTANTS (1985) LTD.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(A) CORPORATE C.R.A.M. ASSOCIATES LTD.
(C) CSC PROJECT MANAGEMENT SERVICES LTD.
(A) DALTHAM CONSULTING LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(F) EBA ENGINEERING CONSULTANTS LTD.
(C) ECOS ENGINEERING SERVICES LTD.
(G) FLUOR CANADA LTD.
(A) J.P. FORD CONSTRUCTION MANAGEMENT LTD.
(A) FOX ENGINEERING & SURVEYING LTD.
(A) G. FRASER CONSULTING LTD.
(B) F.Y.N. ENGINEERING LIMITED
(D) GCG DILLON CONSULTING LTD.
(C) GEOCON INC.
(A) GEO-ENGINEERING (M.S.T.) LTD.
(B) GLOBAL ENGINEERING AND TESTING LTD.
(B) G-METRIC ENGINEERING SERVICES LTD.
(D) GPEC CONSULTING LTD.
(A) LOUIS G. GRIMBLE PROFESSIONAL ENGINEER LTD.
(A) GVM GEOLOGICAL CONSULTANTS LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(A) HARGRAVE CAREFOOT ENGINEERING CONSULTANTS LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(A) HD ENGINEERING SERVICES LTD.
(B) HHC TEAM CONSULTANTS INC.
(B) HOGGAN ENGINEERING & TESTING (1980) LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(A) JOHNSTON ENGINEERING LTD.
(B) KEITH ENGINEERING LIMITED
(B) KENEEMA ENGINEERING LTD.
(A) KLEINFELDT CONSULTANTS LTD.
(D) KLOHN LEONOFF LTD.
(B) LOMBARD NORTH GROUP (1980) LTD.
(B) M & S RESEARCH & CONSULTING LTD.
(A) MANRAY CONSULTING LTD.
(A) MATRIX ENGINEERING LTD.
(B) MATSON ENGINEERING CONSULTANTS LTD.
(B) MERGE CONSULTING LTD.
(A) MILLIGAN ENGINEERING SERVICES LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) NESCO CONSULTING LTD.
(B) OLYMPIA ENGINEERING (1982) INC.
(B) OPS ENGINEERING LTD.
(G) PCL CONSTRUCTION GROUP INC.
(B) PITEAU ENGINEERING LTD.
(B) B.M. POTTER CONSULTANTS LTD.
(A) PRISM ENGINEERING & SURVEYS LTD.
(A) P.F. PROCTOR CONSULTING LTD.
(B) PYD ENGINEERING LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(B) SAMIDE ENGINEERING LTD.
(B) SCHEFFER CONSULTANTS LTD.
(B) SEREDA, MARSH & ASSOCIATES LTD.
(B) SERV-ALTA ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(E) STEWART, WEIR & CO.
(B) SUVAN FETTIG & ASSOCIATES (1984) LTD.
(A) SWANSON TRANSPORTATION CONSULTANTS LTD.
(C) TERREN ENGINEERING LTD.
(A) TETRA SYSTEMS LTD.
(B) THIERMAN & ASSOCIATES LTD.
(E) TORCHINSKY CONSULTING (1976) LTD.
(C) TRITEK ENGINEERING CONSULTANTS LTD.
(G) UMA ENGINEERING LTD.

(B) URBAN SYSTEMS LTD.
(C) WARDROP ALBERTA LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.

40. HOSPITAL DESIGN

(A) ABRAMS ENGINEERING INC.
(B) ADART ENGINEERING SERVICES INC.
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
(A) BARTON-ASCHMAN ASSOCIATES LIMITED
(C) CAMPBELL WOODALL & ASSOCIATES CONSULTING ENGINEERS LTD.
(E) CHERITON ENGINEERING INC.
(F) THE COHOS EVAMY PARTNERSHIP
(D) COOK CULHAM PEDERSEN & VALENTINE ARCHITECTS AND ENGINEERS
(B) CO-ORDINATED ENGINEERING LTD.
(A) DOERKSEN MEDIGAS SYSTEMS LTD.
(C) DUTHIE, NEWBY, WEBER & ASSOCIATES LTD.
(B) DYOL ASSOCIATES LTD.
(C) THE ENGINEERS COLLABORATIVE
(A) FIDIAS CONSULTING ENGINEERING LTD.
(G) FLUOR CANADA LTD.
(A) W.J. FRANCL CONSULTING LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(E) HEMISPHERE ENGINEERING INC.
(B) HMS ENGINEERING LTD.
(B) ISOTEC LIMITED
(D) KEEN ENGINEERING CO. LTD.
(B) KEMP ENGINEERING LTD.
(D) KOLIGER SCHMIDT ARCHITECT ENGINEER
(E) LAMB MCMANUS ASSOCIATES LTD.
(C) MAGNA IV ENGINEERING LTD.
(C) M.H.L. INTERNATIONAL LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) M.W. BIOMEDICAL INSPECTION SERVICES LTD.
(A) NOREL ENGINEERING
(A) K.R. OLSEN ENGINEERING LIMITED
(A) KEITH K. PAGET ENGINEERING LTD.
(A) D. PANAR & ASSOCIATES ENGINEERING LTD.
(A) PCL ASSOCIATES LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(B) RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(B) SAFRONEK POMEROY & ASSOCIATES LTD.
(C) SCHMIDT FELDBERG CROLL HENDERSON ARCHITECTS.ENGINEERS
(A) R.H. SCOTVOLD ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(B) SNIHUR CONSULTING LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(C) STEINBRENNER CONSULTANTS LTD.
(B) SUNCORD ENGINEERING LTD.
(B) SUNTON ENGINEERING LTD.
(A) SWANSON TRANSPORTATION CONSULTANTS LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(B) WALTERS CHAMBERS AND ASSOCIATES LTD.
(B) WASNEA & ASSOCIATES ENGINEERING LTD.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(B) YEWCHUK ENGINEERING (1979) LTD.

41. HYDRAULIC SYSTEMS

(A) 3D-N ENGINEERING SERVICES LTD.
(D) ACRES INTERNATIONAL LIMITED
(A) ADAPTIVE ENGINEERING LTD.
(I) ALBERTA POWER LIMITED
APEM ENGINEERING LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(C) BORCOM ASSOCIATES
(B) BRUYER CONSULTING LTD.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(B) CIMARRON ENGINEERING LTD.
(F) COROD MANUFACTURING LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(B) DYOL ASSOCIATES LTD.
(C) ECOS ENGINEERING SERVICES LTD.
(A) E-D-M WATER ENGINEERING SCIENCE & TECHNOLOGY LTD.
(A) EMKU ENGINEERING LTD.
(E) ENDECO ENGINEERING LTD.
(G) FLUOR CANADA LTD.
(B) F.Y.N. ENGINEERING LIMITED
(E) GEOTECHNICAL RESOURCES LTD.
(A) G.P. VALUE ENGINEERING
(B) HASEGAWA AND ASSOCIATES LTD.
(A) HUBER ENGINEERING INC.
(C) I.D. ENGINEERING COMPANY LIMITED
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(A) W.G. JOHNSTON CORPORATION
(A) KALITA PROJECTS INC.
(E) KILBORN ENERGY INC.
(D) KLOHN LEONOFF LTD.
(C) LM & M ENGINEERING LTD.
(A) J.N. MACKENZIE ENGINEERING LTD.
(A) MILLIGAN ENGINEERING SERVICES LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(B) NANUK ENGINEERING & DEVELOPMENT LTD.
(B) ALLAN R. NELSON ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(E) PETROTECH LAVALIN INC.
(B) B.M. POTTER CONSULTANTS LTD.
(D) QUANTEL ENGINEERING (1981) LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) RING HYDRAULICS CORP.
(B) J.E. RYMES ENGINEERING LTD.
(B) SAMIDE ENGINEERING LTD.
(A) SEALE ENGINEERING LTD.
(B) P. SIEMENS ENGINEERING SERVICES LTD.
(D) SINGLETON ASSOCIATED ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(A) SOUTHERN LAND DRAINAGE INC.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(B) SUNCORD ENGINEERING LTD.
(A) J.E. SWORDER ENGINEERING LTD.
(C) TECHNA-WEST ENGINEERING LTD.
(C) TERREN ENGINEERING LTD.
(A) TIER ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(C) WARDROP ALBERTA LTD.
(D) W-E-R ENGINEERING LTD.
(C) WEISS CONSULTANTS INC.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.

42. HYDROLOGICAL STUDIES

(D) ACRES INTERNATIONAL LIMITED
(I) ALBERTA POWER LIMITED
(H) ALBERTA RESEARCH COUNCIL
(A) ALEXANDER ENGINEERING LTD.
APEM ENGINEERING LTD.
(A) ARROW PETROLEUM ENGINEERING LTD.
(A) P.E. BARTLETT & ASSOCIATES LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(C) BOLTER PARISH TRIMBLE LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(C) BUTLER KREBES LEWIS ASSOCIATES LTD.
(A) C & M SYSTEMS SUPPORT (A DIVISION 0F C & M LITERATURE RESEARCH LTD.)
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(A) DALTHAM CONSULTING LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(C) ECOS ENGINEERING SERVICES LTD.
(A) E-D-M WATER ENGINEERING SCIENCE & TECHNOLOGY LTD.
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(D) GCG DILLON CONSULTING LTD.
(C) GEOCON INC.
(E) GEOTECHNICAL RESOURCES LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(A) HUBER ENGINEERING INC.
(B) HYDROCON ENGINEERING (CONTINENTAL) LTD.
(B) HYDROGEOLOGICAL CONSULTANTS LTD.
(A) HYDROSPEC CONSULTING LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(A) KAMAC CONSULTANTS LIMITED
(A) KLEINFELDT CONSULTANTS LTD.
(D) KLOHN LEONOFF LTD.

(B) KOMEX CONSULTANTS LTD.
(A) LALEN CONSULTING LTD.
(A) J.N. MACKENZIE ENGINEERING LTD.
(A) R.G. MARSHALL ENGINEERING & CONSTRUCTION LTD.
(B) MATSON ENGINEERING CONSULTANTS LTD.
(A) MILLIGAN ENGINEERING SERVICES LTD.
(A) C.E. MOELL & ASSOCIATES LTD.
(B) MOH & ASSOCIATES OILFIELD CONSULTANTS LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(B) MPE ENGINEERING LTD.
(B) NANUK ENGINEERING & DEVELOPMENT LTD.
(C) NORTHWEST HYDRAULIC CONSULTANTS LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(B) SAMIDE ENGINEERING LTD.
(B) SERV-ALTA ENGINEERING LTD.
(B) P. SIEMENS ENGINEERING SERVICES LTD.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(A) SOUTHERN LAND DRAINAGE INC.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(E) STEWART, WEIR & CO.
(B) TERRACON GEOTECHNIQUE LTD.
(C) TERREN ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(D) WALKER, NEWBY & ASSOCIATES LTD.
(D) W-E-R ENGINEERING LTD.
(C) ZAZULA PROCESS EQUIPMENT LTD.

43. INDUSTRIAL PLANT DESIGN

(C) ABBOTTSFIELD ENGINEERING SERVICES LTD.
(A) ABRAMS ENGINEERING INC.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(A) ALAN ENGINEERING CORPORATION LTD.
(I) ALBERTA POWER LIMITED
(H) ALBERTA RESEARCH COUNCIL
(C) ANDERSON ASSOCIATES CONSULTING ENGINEERS INC.
(A) ANDERSON ENGINEERING LTD.
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
APEM ENGINEERING LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(A) ARVIDSON ENGINEERING INC.
(B) ASPEN ENGINEERING LTD.
(A) BALLATER RESOURCES LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(A) BECK ENGINEERING LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(A) BHM PROJECTS LIMITED
(C) BORCOM ASSOCIATES
(A) BOTAR AGENCY LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(C) CAMPBELL WOODALL & ASSOCIATES CONSULTING ENGINEERS LTD.
(B) CAN WEST CONSTRUCTION (1978) LTD.
CAN WEST ENGINEERING LTD.
(C) CARSWELL ENGINEERING LTD.
(A) CECOL DIVISION OF KANATA HOLDINGS LTD.
(A) CENTERLINE ENGINEERING CORP.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(A) CHMEL CONSULTING ENGINEERING LTD.
(C) CML CONSTRUCTION MANAGEMENT LTD.
(F) THE COHOS EVAMY PARTNERSHIP
(F) COLT ENGINEERING CORPORATION
(D) COOK CULHAM PEDERSEN & VALENTINE ARCHITECTS AND ENGINEERS
(B) CO-ORDINATED ENGINEERING LTD.
(B) GLENN H. CURTIS & ASSOCIATES LIMITED
(C) CVS ENGINEERING SERVICES LTD.
(D) DOMINION CONSTRUCTION COMPANY LIMITED
(D) DORCAL INDUSTRIES LTD.
(C) DUTHIE, NEWBY, WEBER & ASSOCIATES LTD.
(A) DYNATECH DESIGNS LTD.
(B) DYOL ASSOCIATES LTD.
(A) EMKU ENGINEERING LTD.
(E) ENDECO ENGINEERING LTD.
(A) FIDIAS CONSULTING ENGINEERING LTD.
(A) FITZPATRICK ENGINEERING LIMITED
(G) FLUOR CANADA LTD.
(A) W.J. FRANCL CONSULTING LTD.
(D) GCG DILLON CONSULTING LTD.
(B) GENERAL PHYSICS CORPORATION
(E) GENEREX PROJECT MANAGEMENT LTD.
(B) GOLE'S ENGINEERING & CONST. LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(B) HO & LAVIOLETTE ENGINEERING LTD.
(B) HYPROTECH LTD.
(E) I.P. CONSTRUCTORS LTD.
(B) ISOTEC LIMITED
(A) W.G. JOHNSTON CORPORATION
(A) KALITA PROJECTS INC.
(A) KARST RESOURCE CONSULTANTS LTD.
(D) KASTEN, EADIE ENGINEERING LTD.
(D) KEEN ENGINEERING CO. LTD.
(F) M.W. KELLOGG COMPANY LTD.
(B) KEMP ENGINEERING LTD.
(F) KENONIC CONTROLS LTD.
(E) KILBORN ENERGY INC.
(A) KOTYK ENGINEERING LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(A) LAVIOLETTE ENGINEERING LTD.
(C) LM & M ENGINEERING LTD.
(B) LOTEPRO PLANTS LIMITED
(F) LUMMUS CANADA INC.
(C) MAGNA IV ENGINEERING LTD.
(B) MC CUTCHEON ENGINEERING LIMITED
(A) MILAR ENGINEERING LIMITED
(G) MONENCO CONSULTANTS LIMITED
(E) MONENCO ENGINEERS & CONSTRUCTORS INC.
(G) MONENCO LIMITED
(A) MOSS INDUSTRIAL SERVICES LTD.
(B) J.M. MULLIGAN & ASSOCIATES LTD.
(B) ALLAN R. NELSON ENGINEERING LTD.
(A) NOREL ENGINEERING
(C) OHMIC ENGINEERING LTD.
(B) OLYMPIA ENGINEERING (1982) INC.
(A) OMEGA ENGINEERING LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(B) OPS ENGINEERING LTD.
(A) OPSTAD ENGINEERING LTD.
(B) PACER DEVELOPMENT SERVICES
(A) D. PANAR & ASSOCIATES ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(A) PCL ASSOCIATES LTD.
(A) PETROFIN ENTERPRISES LTD.
(A) PLISHKA, PRODANIUK, WOODS ASSOCIATES LTD.
(F) PROCOR LIMITED, SULPHUR SERVICES DIVISION
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(B) RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(C) REINTJES ENGINEERING LTD.
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(C) SCHMIDT FELDBERG CROLL HENDERSON ARCHITECTS.ENGINEERS
(A) R.H. SCOTVOLD ENGINEERING LTD.
(B) SEABORN CONSULTANTS LTD.
(A) SEPAR SYSTEMS & RESEARCH LTD.
(D) SHAWINIGAN INTEG INC.
(B) SKM CONSULTING LTD.
(A) SKY ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(B) SNIHUR CONSULTING LTD.
(A) SOUTHLAND ENGINEERING LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(F) STEARNS CATALYTIC LTD.
(C) STEINBRENNER CONSULTANTS LTD.
(B) STRATHCONA ENGINEERING LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(A) J.E. SWORDER ENGINEERING LTD.
(C) TECHNA-WEST ENGINEERING LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(A) TIER ENGINEERING LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(G) UMA PRITCHARD LTD.
(D) UMATAC INDUSTRIAL PROCESSES DIVISION OF UMA ENGINEERING LTD.
(F) UNIVERSAL INDUSTRIES LTD.
(C) WARDROP ALBERTA LTD.
(C) WEISS CONSULTANTS INC.
(B) M.P. WERNER ENGINEERING LTD.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.

44. INDUSTRIAL WASTE, POLLUTION CONTROL

(A) 3D-N ENGINEERING SERVICES LTD.

(D) ACRES INTERNATIONAL LIMITED
(I) ALBERTA POWER LIMITED
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(F) BANTREL GROUP ENGINEERS LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(A) BHM PROJECTS LIMITED
(C) BORCOM ASSOCIATES
(C) DAVID BROMLEY ENGINEERING (1983) LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(A) CENTERLINE ENGINEERING CORP.
(E) CHERITON ENGINEERING INC.
(B) DALCOR INNOVENTURES LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(D) DORCAL INDUSTRIES LTD.
(B) DYOL ASSOCIATES LTD.
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(A) FITZPATRICK ENGINEERING LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(A) W.J. FRANCL CONSULTING LTD.
(D) GCG DILLON CONSULTING LTD.
(B) GENERAL PHYSICS CORPORATION
(C) GEOCON INC.
(C) GEO-PHYSI-CON CO. LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(B) HHC TEAM CONSULTANTS INC.
(A) F.E. HORTON & ASSOCIATES
(A) HYDROSPEC CONSULTING LTD.
(E) I.P. CONSTRUCTORS LTD.
(A) KALITA PROJECTS INC.
(D) KASTEN, EADIE ENGINEERING LTD.
(F) M.W. KELLOGG COMPANY LTD.
(E) KILBORN ENERGY INC.
(D) KLOHN LEONOFF LTD.
(A) KOTYK ENGINEERING LTD.
(C) LM & M ENGINEERING LTD.
(F) LUMMUS CANADA INC.
(B) MC CUTCHEON ENGINEERING LIMITED
(G) MONENCO CONSULTANTS LIMITED
(E) MONENCO ENGINEERS & CONSTRUCTORS INC.
(G) MONENCO LIMITED
(A) MOSS INDUSTRIAL SERVICES LTD.
(A) OMEGA ENGINEERING LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(A) D. PANAR & ASSOCIATES ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(A) PCL ASSOCIATES LTD.
(B) PITEAU ENGINEERING LTD.
(A) PLISHKA, PRODANIUK, WOODS ASSOCIATES LTD.
(A) QMS QUALITY MONITORING SERVICES LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(D) RTM ENGINEERING LTD.
(A) SEPAR SYSTEMS & RESEARCH LTD.
(D) SHAWINIGAN INTEG INC.
(B) SIMCOR PETROLEUM APPLICATIONS LTD.
(B) SKM CONSULTING LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(F) STEARNS CATALYTIC LTD.
(B) STRATHCONA ENGINEERING LTD.
(A) J.E. SWORDER ENGINEERING LTD.
(C) TECHNA-WEST ENGINEERING LTD.
(A) TERA ENVIRONMENTAL CONSULTANTS (ALTA) LTD.
(C) TERREN ENGINEERING LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(A) TIER ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(G) UMA PRITCHARD LTD.
(D) UMATAC INDUSTRIAL PROCESSES DIVISION OF UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(C) WARDROP ALBERTA LTD.
(C) WEISS CONSULTANTS INC.
(F) WESTERN RESEARCH DIVISION OF BOW VALLEY RESOURCE SERVICES LTD.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.

45. INSTRUMENTATION

(C) ABBOTTSFIELD ENGINEERING SERVICES LTD.
(A) ABRAMS ENGINEERING INC.
(D) ACRES INTERNATIONAL LIMITED
(I) ALBERTA POWER LIMITED
(C) ANDERSON ASSOCIATES CONSULTING ENGINEERS INC.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(B) ASPEN ENGINEERING LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(A) BALLATER RESOURCES LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(A) BEUKER ENGINEERING LTD.
(A) BHM PROJECTS LIMITED
(C) BORCOM ASSOCIATES
(C) DAVID BROMLEY ENGINEERING (1983) LTD.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(B) CIMARRON ENGINEERING LTD.
(F) THE COHOS EVAMY PARTNERSHIP
(F) COLT ENGINEERING CORPORATION
(D) A. COMEAU & ASSOCIATES LTD.
(A) COMTEC ASSOCIATED LIMITED
(F) COROD MANUFACTURING LTD.
(A) DELACOUR CONTROL SYSTEMS LTD.
(A) DELCOR ENGINEERING LTD.
(G) DELTA PROJECTS INC.
(A) DIGINETICS ENGINEERING SERVICES LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(A) DRB ENGINEERING CONSULTANTS LTD.
(B) DYOL ASSOCIATES LTD.
(A) EMKU ENGINEERING LTD.
(E) ENDECO ENGINEERING LTD.
(D) EXLOG CANADA A DIVISION OF BAKER (CANADA) LTD.
(E) FISH ENGINEERING LIMITED
(A) FITZPATRICK ENGINEERING LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(B) F.Y.N. ENGINEERING LIMITED
(A) JOHN GAVORA CONSULTING LTD.
(B) GENERAL PHYSICS CORPORATION
(E) GENEREX PROJECT MANAGEMENT LTD.
(E) GEOTECHNICAL RESOURCES LTD.
(A) GNOSTAR ENGINEERING INC.
(A) G.P. VALUE ENGINEERING
(D) GRANT PHIPPS TSUTSUMI & ASSOCIATES LIMITED
(A) GRIFFIN PROJECTS & ENGINEERING LTD.
(C) HARDING INSTRUMENTS CO. LTD.
(A) HASLETT ENGINEERING LTD.
(C) HINZ CONSULTING LTD.
(B) HOGGAN ENGINEERING & TESTING (1980) LTD.
(A) HOWELL MAYHEW ENGINEERING INC.
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(E) I.P. CONSTRUCTORS LTD.
(A) W.G. JOHNSTON CORPORATION
(A) KALITA PROJECTS INC.
(D) KASTEN, EADIE ENGINEERING LTD.
(F) M.W. KELLOGG COMPANY LTD.
(F) KENONIC CONTROLS LTD.
(E) KILBORN ENERGY INC.
(B) KOMEX CONSULTANTS LTD.
(C) LM & M ENGINEERING LTD.
(F) LUMMUS CANADA INC.
(D) MACDONALD ENGINEERING PROJECTS LTD.
(C) MAGNA IV ENGINEERING LTD.
(C) MAXWELL ENGINEERING LTD.
(B) MC CUTCHEON ENGINEERING LIMITED
(A) MICROLOGIC LIMITED
(A) MILAR ENGINEERING LIMITED
(G) MONENCO CONSULTANTS LIMITED
(E) MONENCO ENGINEERS & CONSTRUCTORS INC.
(G) MONENCO LIMITED
(G) NOWSCO WELL SERVICE LTD.
(C) OHMIC ENGINEERING LTD.
(A) OMEGA ENGINEERING LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(A) PADULA ENGINEERING LTD.
(F) PCL-BRAUN-SIMONS LTD.
(A) PETROFIN ENTERPRISES LTD.
(E) PETROTECH LAVALIN INC.
(B) PROCESS SOLUTIONS CANADA LIMITED
(D) QUANTEL ENGINEERING (1981) LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(A) RAKATO CONSULTING ENGINEERING LTD.
(F) REID CROWTHER & PARTNERS LIMITED

(A) RESEARCH ELECTRONICS RESELCO LTD.
(A) JOHN SCOTT ENGINEERING
(A) R.H. SCOTVOLD ENGINEERING LTD.
(A) SCRIMES ENGINEERING CONSULTANTS LTD.
(A) G. SEDGWICK CONSULTING LTD.
(D) SHAWINIGAN INTEG INC.
(C) SHERREX SYSTEMS LIMITED
(G) SNC CONSULTANTS LTD.
(F) SNC/FW LTD.
(F) STEARNS CATALYTIC LTD.
(C) STEINBRENNER CONSULTANTS LTD.
(B) SUNCORD ENGINEERING LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(C) TERREN ENGINEERING LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(D) THURBER CONSULTANTS LTD.
(A) TIER ENGINEERING LTD.
(C) TRI OCEAN PETROLEUM SERVICES LTD.
(G) UMA ENGINEERING LTD.
(G) UMA PRITCHARD LTD.
(D) UMATAC INDUSTRIAL PROCESSES DIVISION OF UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(B) VIATEC RESOURCE SYSTEMS INC.
(A) VOLTECH ENGINEERING LTD.
(C) WARDROP ALBERTA LTD.
(C) WEISS CONSULTANTS INC.
(F) WESTERN RESEARCH DIVISION OF BOW VALLEY RESOURCE SERVICES LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.

46. IRRIGATION

(A) ABRAMS ENGINEERING INC.
(D) ACRES INTERNATIONAL LIMITED
(H) ALBERTA RESEARCH COUNCIL
APEM ENGINEERING LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(A) BARAGAR GEOTEC ENGINEERING LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) BOLTER PARISH TRIMBLE LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(B) BRUYER CONSULTING LTD.
(C) BUTLER KREBES LEWIS ASSOCIATES LTD.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(A) CORPORATE C.R.A.M. ASSOCIATES LTD.
(A) B. DAVISON CONSULTING ENGINEER LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(C) EASTERN IRRIGATION DISTRICT
(F) EBA ENGINEERING CONSULTANTS LTD.
(C) ECOS ENGINEERING SERVICES LTD.
(A) E-D-M WATER ENGINEERING SCIENCE & TECHNOLOGY LTD.
(G) FLUOR CANADA LTD.
(A) J.P. FORD CONSTRUCTION MANAGEMENT LTD.
(D) GCG DILLON CONSULTING LTD.
(C) GEOCON INC.
(E) GEOTECHNICAL RESOURCES LTD.
(D) GPEC CONSULTING LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(A) HARGRAVE CAREFOOT ENGINEERING CONSULTANTS LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(B) HHC TEAM CONSULTANTS INC.
(D) KLOHN LEONOFF LTD.
(B) KOMEX CONSULTANTS LTD.
(B) LOMBARD NORTH GROUP (1980) LTD.
(A) J.N. MACKENZIE ENGINEERING LTD.
(A) MANRAY CONSULTING LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(B) MPE ENGINEERING LTD.
(B) NANUK ENGINEERING & DEVELOPMENT LTD.
(A) NOREL ENGINEERING
(C) NORTHWEST HYDRAULIC CONSULTANTS LTD.
(B) PITEAU ENGINEERING LTD.
(A) P.F. PROCTOR CONSULTING LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(B) SAMIDE ENGINEERING LTD.
(B) SCHEFFER CONSULTANTS LTD.
(A) SEPAR SYSTEMS & RESEARCH LTD.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(A) SOUTHERN LAND DRAINAGE INC.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(E) STEWART, WEIR & CO.
(C) TECHNA-WEST ENGINEERING LTD.
(C) TERREN ENGINEERING LTD.
(A) U & H IRRIGATION SYSTEMS LTD.
(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(D) W-E-R ENGINEERING LTD.
(D) WIEBE FOREST ENGINEERING LTD.

47. LAND DEVELOPMENT

(A) 3D-N ENGINEERING SERVICES LTD.
(D) ACRES INTERNATIONAL LIMITED
(A) ALAN ENGINEERING CORPORATION LTD.
(I) ALBERTA POWER LIMITED
(B) AL-TERRA ENGINEERING LTD.
APEM ENGINEERING LTD.
(A) ARVIDSON ENGINEERING INC.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(A) BARAGAR GEOTEC ENGINEERING LTD.
(A) BARTON-ASCHMAN ASSOCIATES LIMITED
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(B) BRUYER CONSULTING LTD.
(C) BUTLER KREBES LEWIS ASSOCIATES LTD.
(D) CEP CONSULTANTS (1985) LTD.
(E) CHERITON ENGINEERING INC.
(F) THE COHOS EVAMY PARTNERSHIP
(A) DALTHAM CONSULTING LTD.
(A) B. DAVISON CONSULTING ENGINEER LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(D) DOMINION CONSTRUCTION COMPANY LIMITED
(C) EASTERN IRRIGATION DISTRICT
(C) ECOS ENGINEERING SERVICES LTD.
(B) FENTON BERGMAN ENGINEERING LTD.
(A) FITZPATRICK ENGINEERING LIMITED
(A) FOX ENGINEERING & SURVEYING LTD.
(A) W.J. FRANCL CONSULTING LTD.
(A) G. FRASER CONSULTING LTD.
(B) F.Y.N. ENGINEERING LIMITED
(D) GCG DILLON CONSULTING LTD.
(A) GEO-ENGINEERING (M.S.T.) LTD.
(A) E.E. GILBERT RESOURCES LTD.
(B) G-METRIC ENGINEERING SERVICES LTD.
(D) GPEC CONSULTING LTD.
(A) LOUIS G. GRIMBLE PROFESSIONAL ENGINEER LTD.
(A) GVM GEOLOGICAL CONSULTANTS LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(A) HARGRAVE CAREFOOT ENGINEERING CONSULTANTS LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(B) HHC TEAM CONSULTANTS INC.
(A) HUBER ENGINEERING INC.
(C) I.D. ENGINEERING COMPANY LIMITED
(B) KEITH ENGINEERING LIMITED
(B) KENEEMA ENGINEERING LTD.
(A) KLEINFELDT CONSULTANTS LTD.
(B) LOMBARD NORTH GROUP (1980) LTD.
(A) MANRAY CONSULTING LTD.
(A) MATRIX ENGINEERING LTD.
(B) MATSON ENGINEERING CONSULTANTS LTD.
(B) MERGE CONSULTING LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(B) NANUK ENGINEERING & DEVELOPMENT LTD.
(A) L.R. OLSON & ASSOCIATES LTD.
(B) OLYMPIA ENGINEERING (1982) INC.
(B) PACER DEVELOPMENT SERVICES
(A) KEITH K. PAGET ENGINEERING LTD.
(B) B.M. POTTER CONSULTANTS LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(B) SCHEFFER CONSULTANTS LTD.
(B) SEABORN CONSULTANTS LTD.
(A) SEPAR SYSTEMS & RESEARCH LTD.
(B) SEREDA, MARSH & ASSOCIATES LTD.
(B) SERV-ALTA ENGINEERING LTD.
(B) P. SIEMENS ENGINEERING SERVICES LTD.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(E) STEWART, WEIR & CO.
(B) SUVAN FETTIG & ASSOCIATES (1984) LTD.
(A) TEAM 7 CONSULTANTS
(C) TERREN ENGINEERING LTD.

(B) THIERMAN & ASSOCIATES LTD.
(C) TRITEK ENGINEERING CONSULTANTS LTD.
(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(D) WALKER, NEWBY & ASSOCIATES LTD.
(C) WARDROP ALBERTA LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.

48. LAND RECLAMATION

(A) 3D-N ENGINEERING SERVICES LTD.
(D) ACRES INTERNATIONAL LIMITED
(I) ALBERTA POWER LIMITED
(H) ALBERTA RESEARCH COUNCIL
(C) AMERIGO TECHNOLOGY LIMITED
APEM ENGINEERING LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(C) BEAK ASSOCIATES ENGINEERING LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(E) BISSETT RESOURCE CONSULTANTS LTD.
(C) BORCOM ASSOCIATES
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(A) CALIBRE ENGINEERING LTD.
(D) CEP CONSULTANTS (1985) LTD.
(A) C-H SYNFUELS LTD.
(E) CH2M HILL ENGINEERING LTD.
(A) DALTHAM CONSULTING LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(F) EBA ENGINEERING CONSULTANTS LTD.
(C) ECOS ENGINEERING SERVICES LTD.
(A) E-D-M WATER ENGINEERING SCIENCE & TECHNOLOGY LTD.
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(A) FITZPATRICK ENGINEERING LIMITED
(D) GPEC CONSULTING LTD.
(A) GRIFFIN PROJECTS & ENGINEERING LTD.
(A) GVM GEOLOGICAL CONSULTANTS LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(A) HUBER ENGINEERING INC.
(A) HVAL CONSULTANTS INC.
(B) KEITH ENGINEERING LIMITED
(D) KLOHN LEONOFF LTD.
(B) KOMEX CONSULTANTS LTD.
(B) LOMBARD NORTH GROUP (1980) LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(C) NORTHWEST HYDRAULIC CONSULTANTS LTD.
(B) PACER DEVELOPMENT SERVICES
(A) PALLISER CONSULTANTS LIMITED
(F) REID CROWTHER & PARTNERS LIMITED
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(A) SOUTHERN LAND DRAINAGE INC.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(A) TERA ENVIRONMENTAL CONSULTANTS (ALTA) LTD.
(C) TERREN ENGINEERING LTD.
(B) THIERMAN & ASSOCIATES LTD.
(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(C) WARDROP ALBERTA LTD.
(D) W-E-R ENGINEERING LTD.
(F) WESTERN RESEARCH DIVISION OF BOW VALLEY RESOURCE SERVICES LTD.

49. LAND USE

(A) 3D-N ENGINEERING SERVICES LTD.
(D) ACRES INTERNATIONAL LIMITED
(I) ALBERTA POWER LIMITED
(H) ALBERTA RESEARCH COUNCIL
APEM ENGINEERING LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(A) BARTON-ASCHMAN ASSOCIATES LIMITED
(C) BEAK ASSOCIATES ENGINEERING LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(B) BRUYER CONSULTING LTD.
(C) BUTLER KREBES LEWIS ASSOCIATES LTD.
(D) CEP CONSULTANTS (1985) LTD.
(F) THE COHOS EVAMY PARTNERSHIP
(A) B. DAVISON CONSULTING ENGINEER LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(A) FITZPATRICK ENGINEERING LIMITED
(A) W.J. FRANCL CONSULTING LTD.
(D) GCG DILLON CONSULTING LTD.
(A) GEO-ENGINEERING (M.S.T.) LTD.
(A) E.E. GILBERT RESOURCES LTD.
(D) GPEC CONSULTING LTD.
(A) LOUIS G. GRIMBLE PROFESSIONAL ENGINEER LTD.
(B) HHC TEAM CONSULTANTS INC.
(A) HYDROSPEC CONSULTING LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(B) KEITH ENGINEERING LIMITED
(B) LOMBARD NORTH GROUP (1980) LTD.
(A) MANRAY CONSULTING LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) L.R. OLSON & ASSOCIATES LTD.
(B) OLYMPIA ENGINEERING (1982) INC.
(B) PACER DEVELOPMENT SERVICES
(A) KEITH K. PAGET ENGINEERING LTD.
(B) PALLISTER RESOURCE MANAGEMENT LTD.
(A) PLISHKA, PRODANIUK, WOODS ASSOCIATES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(B) SCHEFFER CONSULTANTS LTD.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(E) STEWART, WEIR & CO.
(A) SWANSON TRANSPORTATION CONSULTANTS LTD.
(A) TEAM 7 CONSULTANTS
(A) TERA ENVIRONMENTAL CONSULTANTS (ALTA) LTD.
(C) TERREN ENGINEERING LTD.
(B) THIERMAN & ASSOCIATES LTD.
(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(D) WALKER, NEWBY & ASSOCIATES LTD.
(D) W-E-R ENGINEERING LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.

50. MATERIAL HANDLING

(C) ABBOTTSFIELD ENGINEERING SERVICES LTD.
(A) ABL ENGINEERING LTD.
(D) ACRES INTERNATIONAL LIMITED
(I) ALBERTA POWER LIMITED
APEM ENGINEERING LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(G) BROWN & ROOT LTD.
(C) CARSWELL ENGINEERING LTD.
(D) CATALYST TECHNOLOGY (CANADA) LTD.
(A) CHELBA ENTERPRISES LTD.
(C) COAL MINING RESEARCH COMPANY
(F) COLT ENGINEERING CORPORATION
(D) COOK CULHAM PEDERSEN & VALENTINE ARCHITECTS AND ENGINEERS
(F) COROD MANUFACTURING LTD.
(B) GLENN H. CURTIS & ASSOCIATES LIMITED
(B) DALCOR INNOVENTURES LTD.
(A) B. DAVISON CONSULTING ENGINEER LTD.
(D) DB ENGINEERS & CONSTRUCTORS
(G) DELTA PROJECTS INC.
(D) DORCAL INDUSTRIES LTD.
(C) DUTHIE, NEWBY, WEBER & ASSOCIATES LTD.
(B) DYOL ASSOCIATES LTD.
(A) EMKU ENGINEERING LTD.
(E) ENDECO ENGINEERING LTD.
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(A) FITZPATRICK ENGINEERING LIMITED
(G) FLUOR CANADA LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(C) GEOCON INC.
(B) GLOBAL ENGINEERING AND TESTING LTD.
(B) GOLE'S ENGINEERING & CONST. LTD.
(D) GRANT PHIPPS TSUTSUMI & ASSOCIATES LIMITED
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(B) HASEGAWA AND ASSOCIATES LTD.
(A) F.E. HORTON & ASSOCIATES
(A) W.G. JOHNSTON CORPORATION
(B) ERIC P. JOKINEN & ASSOCIATES LTD.

(A) KALITA PROJECTS INC.
(F) M.W. KELLOGG COMPANY LTD.
(E) KILBORN ENERGY INC.
(E) LAMB MCMANUS ASSOCIATES LTD.
(B) LAVENDER MANAGEMENT SERVICES LTD.
(C) LM & M ENGINEERING LTD.
(F) LUMMUS CANADA INC.
(D) MACDONALD ENGINEERING PROJECTS LTD.
(B) MC CUTCHEON ENGINEERING LIMITED
(C) M.H.L. INTERNATIONAL LTD.
(A) MILAR ENGINEERING LIMITED
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) MOSS INDUSTRIAL SERVICES LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(A) KEITH K. PAGET ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(G) PCL CONSTRUCTION GROUP INC.
(E) PETROTECH LAVALIN INC.
(B) PROCESS SOLUTIONS CANADA LIMITED
(F) PROCOR LIMITED, SULPHUR SERVICES DIVISION
(F) REID CROWTHER & PARTNERS LIMITED
(C) REINTJES ENGINEERING LTD.
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(B) J.E. RYMES ENGINEERING LTD.
(D) SHAWINIGAN INTEG INC.
(D) SINGLETON ASSOCIATED ENGINEERING LTD.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(F) SNC/FW LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(B) STRATHCONA ENGINEERING LTD.
(C) TERREN ENGINEERING LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(A) TIER ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(D) UMATAC INDUSTRIAL PROCESSES DIVISION OF UMA ENGINEERING LTD.
(C) WARDROP ALBERTA LTD.
(C) WEISS CONSULTANTS INC.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.

51. MATERIAL TESTING

(A) ADEM ENGINEERING LTD.
(I) ALBERTA POWER LIMITED
(H) ALBERTA RESEARCH COUNCIL
(A) ALFOR METALLURGICAL COMPANY LTD.
(B) ALTEK MATERIALS ENGINEERING LTD.
(C) ALMOR TESTING SERVICES LTD.
(C) ANDERSON ASSOCIATES CONSULTING ENGINEERS INC.
(A) ARVIDSON ENGINEERING INC.
(B) BALL WELDING & METALLURGICAL ENGINEERING LTD.
(A) BARAGAR GEOTEC ENGINEERING LTD.
(A) P.E. BARTLETT & ASSOCIATES LTD.
(A) BEDDOES & DAY MATERIALS RESEARCH LTD.
(A) C & M ENGINEERING LTD.
(E) CHERITON ENGINEERING INC.
(C) COAL MINING RESEARCH COMPANY
(F) COROD MANUFACTURING LTD
(B) DALCOR INNOVENTURES LTD.
(B) DM PROFESSIONAL SERVICES LTD.
(F) EBA ENGINEERING CONSULTANTS LTD.
(A) EMKU ENGINEERING LTD.
(A) FIRTH METALLURGICAL ENGINEERING LTD.
(A) FITZPATRICK ENGINEERING LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(C) GEOCON INC.
(E) GEOTECHNICAL RESOURCES LTD.
(B) GLOBAL ENGINEERING AND TESTING LTD.
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(G) HARDY ASSOCIATES (1978) LTD.
(B) HOGGAN ENGINEERING & TESTING (1980) LTD.
(B) HOOGENSEN METALLURGICAL ENGINEERING LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(A) JOHNSTON ENGINEERING LTD.
(A) W.G. JOHNSTON CORPORATION
(D) KLOHN LEONOFF LTD.
(B) M & S RESEARCH & CONSULTING LTD.
(A) METALTA TECHNOLOGY LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(D) O'CONNOR ASSOCIATES ENVIRONMENTAL INC.
(D) O'CONNOR ASSOCIATES GEOTECHNICAL INC.
(F) PARTEC LAVALIN INC.
(B) PENNELL GEOTECHNICAL ENGINEERING LTD.
(E) PETROTECH LAVALIN INC.
(A) QMS QUALITY MONITORING SERVICES LTD.
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(D) SHELBY ENGINEERING LTD.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(C) TERREN ENGINEERING LTD.
(D) THURBER CONSULTANTS LTD.
(G) UMA ENGINEERING LTD.

52. MINERAL EXPLORATION

(A) AK GEOPHYSICAL LTD.
(B) ASSOCIATED MINING CONSULTANTS LTD.
(A) BALLATER RESOURCES LTD.
(A) BEDIZ EXPLORATION CONSULTANTS LTD.
(A) BOHDAN CONSULTING LTD.
(C) BORCOM ASSOCIATES
(A) C & M SYSTEMS SUPPORT (A DIVISION OF C & M LITERATURE RESEARCH LTD.)
(D) CANTERRA ENGINEERING LTD.
(D) CENTURY GEOPHYSICAL CORPORATION OF CANADA
(B) DEARIN GEOLOGICAL CONSULTING LTD.
(A) DRILLCOMP ENGINEERING LTD.
(F) EBA ENGINEERING CONSULTANTS LTD.
(C) GEO-PHYSI-CON CO. LTD.
(A) GEOSTRATEGIC CONSULTANTS LTD.
(A) E.E. GILBERT RESOURCES LTD.
(A) HALFERDAHL & ASSOCIATES LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(A) IT & A INVERSE THEORY & APPLICATIONS INC.
(A) JAYCON RECONNAISSANCE
(A) R.D. JOHNSON & ASSOCIATES LTD.
(A) KIRST EXPLORATION
(A) F.D. MC COSH RESOURCE CONSULTANTS LTD.
(A) MINPROBE CONSULTANTS LTD.
(E) MITCHELL & ASSOCIATES LTD.
(D) NORWEST RESOURCE CONSULTANTS LTD.
(A) PROTOSTAR RESOURCES LTD.
RAM ENGINEERING LTD.
(A) REINSON CONSULTANTS LTD.
(C) RGS CONSULTANTS LTD.
(A) L.A. SMITH CONSULTING & DEVELOPMENT LTD.
(G) SNC CONSULTANTS LTD.
(A) J.D. SONS & ASSOCIATES MANAGEMENT LTD.
(A) SPRINGFIELD CONSULTING LTD.
(B) TERRACON GEOTECHNIQUE LTD.
(A) W.H. TISDALL RESOURCES LTD.
(C) TRIGG, WOOLLETT, OLSON CONSULTING LTD.
(C) VERITAS GEOPHYSICAL LTD.
(A) ROSS S. VOGAN & ASSOCIATES LTD.

53. MINERAL PROCESSING & CONCENTRATING

(H) ALBERTA RESEARCH COUNCIL
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(B) ASSOCIATED MINING CONSULTANTS LTD.
(A) BHM PROJECTS LIMITED
(C) BORCOM ASSOCIATES
(A) C-H SYNFUELS LTD.
(C) CML CONSTRUCTION MANAGEMENT LTD.
(C) COAL MINING RESEARCH COMPANY
(B) GLENN H. CURTIS & ASSOCIATES LIMITED
(D) DB ENGINEERS & CONSTRUCTORS
(E) ENDECO ENGINEERING LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(E) I.P. CONSTRUCTORS LTD.
(A) W.G. JOHNSTON CORPORATION
(A) KALITA PROJECTS INC.
(E) KILBORN ENERGY INC.
(B) LAVENDER MANAGEMENT SERVICES LTD.
(F) LUMMUS CANADA INC.
(D) NORWEST RESOURCE CONSULTANTS LTD.
(B) PROCESS SOLUTIONS CANADA LIMITED
(G) SNC CONSULTANTS LTD.
(F) STEARNS CATALYTIC LTD.
(B) STRATHCONA ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(C) WEISS CONSULTANTS INC.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.

54. MINING GEOLOGY

(I) ALBERTA POWER LIMITED
(H) ALBERTA RESEARCH COUNCIL
(B) ASSOCIATED MINING CONSULTANTS LTD.
(C) BORCOM ASSOCIATES
(A) C & M SYSTEMS SUPPORT (A DIVISION OF C & M LITERATURE RESEARCH LTD.)
(C) COAL MINING RESEARCH COMPANY
(B) DEARIN GEOLOGICAL CONSULTING LTD.
(F) EBA ENGINEERING CONSULTANTS LTD.
(A) GEOSTRATEGIC CONSULTANTS LTD.
(A) HALFERDAHL & ASSOCIATES LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(A) JAYCON RECONNAISSANCE
(A) LONGSTAFFE GEOLOGIC CONSULTING LTD.
(A) F.D. MC COSH RESOURCE CONSULTANTS LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(D) NORWEST RESOURCE CONSULTANTS LTD.
(A) GK EXPLORATIONS LTD.(PRO GEO CONSULTANTS)
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(C) RGS CONSULTANTS LTD.
(B) SIMCOR PETROLEUM APPLICATIONS LTD.
(A) L.A. SMITH CONSULTING & DEVELOPMENT LTD.
(G) SNC CONSULTANTS LTD.
(A) J.D. SONS & ASSOCIATES MANAGEMENT LTD.
(B) TERRACON GEOTECHNIQUE LTD.
(D) THURBER CONSULTANTS LTD.
(A) W.H. TISDALL RESOURCES LTD.
(C) TRIGG, WOOLLETT, OLSON CONSULTING LTD.
(A) ROSS S. VOGAN & ASSOCIATES LTD.

55. OCEANOGRAPHY

(B) AOE CONSULTANTS LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(A) K.R. CROASDALE AND ASSOCIATES LTD.
(F) EBA ENGINEERING CONSULTANTS LTD.
(A) FRICKE ENGINEERING SERVICES LTD.
(A) R.D. JOHNSON & ASSOCIATES LTD.
(A) KLEINFELDT CONSULTANTS LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(B) PALLISTER RESOURCE MANAGEMENT LTD.
(A) PI GEOLOGICAL CONSULTANTS (1971) LTD.
(G) SNC CONSULTANTS LTD.

56. OIL COLLECTION, TRANSMISSION & DISTRIBUTION

(F) ABAX ENERGY SERVICES LTD.
(A) ABRAMS ENGINEERING INC.
(C) ACADEMY STEEL DESIGN & FABRICATION LTD.
(H) ALBERTA RESEARCH COUNCIL
(A) ALLORE PETROLEUM MANAGEMENT LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(B) ASPEN ENGINEERING LTD.
(A) BALLATER RESOURCES LTD.
(A) BANNER ENGINEERING LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(B) BAR ENGINEERING LTD.
(A) ROGER J. BARON ENGINEERS LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(A) BHM PROJECTS LIMITED
(E) BISSETT RESOURCE CONSULTANTS LTD.
(A) BLACK ENGINEERING LTD.
(C) BORCOM ASSOCIATES
(B) BOWER DAMBERGER ROLSETH ENGINEERING LTD.
(A) DEREK BROWN ENGINEERING INC.
(B) CAL-CAN SYSTEMS & ENGINEERING LIMITED
(B) CAN WEST CONSTRUCTION (1978) LTD.
CAN WEST ENGINEERING LTD.
(E) CANUCK GIE ENGINEERING LTD.
(A) C-H SYNFUELS LTD.
(A) CHAPPEL & COMPANY CONSULTING ENGINEERS LTD.
(E) CH2M HILL ENGINEERING LTD.
(B) CIMARRON ENGINEERING LTD.
(E) COLES NIKIFORUK PENNELL ASSOCIATES LTD.
(F) COLT ENGINEERING CORPORATION
(C) COMPUTER MODELLING GROUP
(F) D & S PETROLEUM CONSULTING GROUP LTD.
(B) DALCOR INNOVENTURES LTD.
(A) DELCOR ENGINEERING LTD.
(A) DELTA WEST DEVELOPMENTS LTD.
(A) DRILLCOMP ENGINEERING LTD.
(B) DYOL ASSOCIATES LTD.
(A) E & H ENGINEERING CO. LIMITED
(E) ENDECO ENGINEERING LTD.
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(A) J.P. FORD CONSTRUCTION MANAGEMENT LTD.
(A) FRICKE ENGINEERING SERVICES LTD.
(A) JOHN GAVORA CONSULTING LTD.
(C) GEMINI ENGINEERING LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(A) GEO-ENGINEERING (M.S.T.) LTD.
(D) GRANT PHIPPS TSUTSUMI & ASSOCIATES LIMITED
(A) GRIFFIN PROJECTS & ENGINEERING LTD.
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(A) HVAL CONSULTANTS INC.
(B) HYCARB ENGINEERING LTD.
(B) HYDROCON ENGINEERING (CONTINENTAL) LTD.
(B) HYPROTECH LTD.
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(A) INTERNATIONAL PROJECT MANAGEMENT
(A) JOYRAN ENTERPRISES LTD.
(A) KARST RESOURCE CONSULTANTS LTD.
(F) M.W. KELLOGG COMPANY LTD.
(E) KILBORN ENERGY INC.
(A) KOTYK ENGINEERING LTD.
(A) LALEN CONSULTING LTD.
(A) L.E.C. ENGINEERING LTD.
(C) LM & M ENGINEERING LTD.
(D) MACDONALD ENGINEERING PROJECTS LTD.
(B) MACMASTER ENGINEERING LTD.
(A) MANDHANE CONSULTING SERVICES LTD.
(A) MAR BO INDUSTRIES LTD.
(A) MCGUFFIN RESOURCE CONSULTANTS LTD.
(A) MCLEOD PETROLEUM CONSULTING LTD.
(B) MICROSIM PETROLEUM SOFTWARE CORP.
(A) MILAR ENGINEERING LIMITED
(E) MITCHELL & ASSOCIATES LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) MRW ENGINEERING LTD.
(A) NAGATOMI ENGINEERING LTD.
(B) NEOTECHNOLOGY CONSULTANTS LTD.
(A) NORRES ENGINEERING SERVICES LTD.
(D) NOVACORP INTERNATIONAL CONSULTING LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(B) OPS ENGINEERING LTD.
(A) OPUS PETROLEUM ENGINEERING LTD.
(A) PADULA ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(A) PETHELEN RESOURCES (1973) LIMITED
(A) PETROTECH ENGINEERING LTD.
(E) PETROTECH LAVALIN INC.
(B) PHH PETROLEUM CONSULTANTS LTD.
(A) PREMIER RESERVOIR ENGINEERING SERVICES LTD.
(A) PROACTIVE TECHNOLOGIES INTERNATIONAL, INC.
(A) PRO WEST ENGINEERING LTD.
(B) PROCESS SOLUTIONS CANADA LIMITED
(D) QUANTEL ENGINEERING (1981) LTD.
RAM ENGINEERING LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(C) REINTJES ENGINEERING LTD.
(C) RICHLYN ENGINEERING LTD.
(D) D.B. ROBINSON & ASSOCIATES LTD.
(D) RTM ENGINEERING LTD.
(C) SCION PETROLEUM ENGINEERING LIMITED
(A) SEIDLITZ ENGINEERING LTD.
(A) SHEWAN PETROLEUM ENGINEERING LTD.
(B) SIMCOR PETROLEUM APPLICATIONS LTD.
(D) SINGLETON ASSOCIATED ENGINEERING LTD.
(B) SKM CONSULTING LTD.
(G) SNC CONSULTANTS LTD.
(F) SNC/FW LTD.
(F) STEARNS CATALYTIC LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(A) TENSOR ENGINEERING LIMITED
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(C) TITAN PROJECTS LTD.
(C) TRI OCEAN PETROLEUM SERVICES LTD.
(C) GRANT TRIMBLE ENGINEERING LTD.
(A) TRUMP RESOURCES LTD.
(G) UMA PRITCHARD LTD.
(F) UNIVERSAL INDUSTRIES LTD.
(A) URSENBACH RESEARCH ENGINEERING LTD.

(C) WEISS CONSULTANTS INC.
(A) WIDY ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.

57. OIL REFINERY DESIGN

(F) ABAX ENERGY SERVICES LTD.
(C) ABBOTTSFIELD ENGINEERING SERVICES LTD.
(B) ADART ENGINEERING SERVICES INC.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(A) ARVIDSON ENGINEERING INC.
(B) ASPEN ENGINEERING LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(A) BHM PROJECTS LIMITED
(A) A.S.L. CAMPBELL ENGINEERING LTD.
(A) CHRONES ENGINEERING CONSULTANTS INC.
(F) COLT ENGINEERING CORPORATION
(B) CO-ORDINATED ENGINEERING LTD.
(B) GLENN H. CURTIS & ASSOCIATES LIMITED
(G) DELTA PROJECTS INC.
(A) DIGINETICS ENGINEERING SERVICES LTD.
(A) DYNATECH DESIGNS LTD.
(E) ENDECO ENGINEERING LTD.
(E) FISH ENGINEERING LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(B) GENERAL PHYSICS CORPORATION
(E) GENEREX PROJECT MANAGEMENT LTD.
(B) HYCARB ENGINEERING LTD.
(B) HYPROTECH LTD.
(A) INTERNATIONAL PROJECT MANAGEMENT
(E) I.P. CONSTRUCTORS LTD.
(A) KALITA PROJECTS INC.
(D) KASTEN, EADIE ENGINEERING LTD.
(F) M.W. KELLOGG COMPANY LTD.
(E) KILBORN ENERGY INC.
(C) LM & M ENGINEERING LTD.
(B) LOTEPRO PLANTS LIMITED
(F) LUMMUS CANADA INC.
(D) MACDONALD ENGINEERING PROJECTS LTD.
(B) MACMASTER ENGINEERING LTD.
(C) MAGNA IV ENGINEERING LTD.
(A) MJP & ASSOCIATES ENGINEERING CO. LTD.
(G) MONENCO CONSULTANTS LIMITED
(E) MONENCO ENGINEERS & CONSTRUCTORS INC.
(G) MONENCO LIMITED
(A) J.K. NELSON & ASSOCIATES LTD.
(A) OMEGA ENGINEERING LTD.
(B) OPS ENGINEERING LTD.
(A) OPSTAD ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(F) PCL-BRAUN-SIMONS LTD.
(C) PETRESIM ENGINEERING LTD.
(A) PETROFIN ENTERPRISES LTD.
(A) PETROTECH ENGINEERING LTD.
(E) PETROTECH LAVALIN INC.
(A) PRO WEST ENGINEERING LTD.
(D) QUANTEL ENGINEERING (1981) LTD.
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(D) D.B. ROBINSON & ASSOCIATES LTD.
(D) RTM ENGINEERING LTD.
(A) SEALE ENGINEERING LTD.
(B) SKM CONSULTING LTD.
(A) SKY ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(F) SNC/FW LTD.
(F) STEARNS CATALYTIC LTD.
(B) STRATHCONA ENGINEERING LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(C) TECHNA-WEST ENGINEERING LTD.
(A) TENSOR ENGINEERING LIMITED
(C) TITAN PROJECTS LTD.
(G) UMA PRITCHARD LTD.
(D) UMATAC INDUSTRIAL PROCESSES DIVISION OF UMA ENGINEERING LTD.
(C) WEISS CONSULTANTS INC.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.

58. OIL SANDS GEOLOGY

(H) ALBERTA RESEARCH COUNCIL
(A) ALPHA ENERGY CONSULTANTS LTD.
(B) AMH RESOURCE MANAGEMENT LTD.
(A) BALLATER RESOURCES LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(C) BORCOM ASSOCIATES
(E) COLES NIKIFORUK PENNELL ASSOCIATES LTD.
(C) COMPUTER MODELLING GROUP
(C) CORE LABORATORIES-CANADA, LTD.
(F) D & S PETROLEUM CONSULTING GROUP LTD.
(D) DB ENGINEERS & CONSTRUCTORS
(A) E & H ENGINEERING CO. LIMITED
(F) EBA ENGINEERING CONSULTANTS LTD.
(E) ENDECO ENGINEERING LTD.
(A) FEN EXPLORATION LTD.
(A) GANDALF EXPLORATION SERVICES LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(A) GEONA ENTERPRISES LTD.
(C) GEO-PHYSI-CON CO. LTD.
(E) GEOTECHNICAL RESOURCES LTD.
(A) E.E. GILBERT RESOURCES LTD.
(A) GLAISTER CONSULTING LTD.
(A) GVM GEOLOGICAL CONSULTANTS LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(A) HITCHNER EXPLORATION SERVICES LIMITED
(B) HUME, MANN & ASSOCIATES LTD.
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(A) LONGSTAFFE GEOLOGIC CONSULTING LTD.
(A) R.W. MAY & ASSOCIATES LTD.
(A) F.D. MC COSH RESOURCE CONSULTANTS LTD.
(A) MERLIN PETROLEUM SERVICES LTD.
(B) MOH & ASSOCIATES OILFIELD CONSULTANTS LTD.
(A) MOLDENHAUER GEOLOGICAL CONSULTING LIMITED
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(D) NORWEST RESOURCE CONSULTANTS LTD.
(D) O'CONNOR ASSOCIATES ENVIRONMENTAL INC.
(D) O'CONNOR ASSOCIATES GEOTECHNICAL INC.
(A) PALLISER CONSULTANTS LIMITED
(D) PETREL CONSULTANTS LTD.
(C) PETRESIM ENGINEERING LTD.
(A) PI GEOLOGICAL CONSULTANTS (1971) LTD.
(B) PITEAU ENGINEERING LTD.
(A) PROTOSTAR RESOURCES LTD.
(A) QUATERNARY GEOSCIENCES LTD.
(A) RAGNAROK CONSULTING SERVICES LTD.
(A) REINSON CONSULTANTS LTD.
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(D) RTM ENGINEERING LTD.
(B) SIMCOR PETROLEUM APPLICATIONS LTD.
(A) L.A. SMITH CONSULTING & DEVELOPMENT LTD.
(G) SNC CONSULTANTS LTD.
(E) SPROULE ASSOCIATES LIMITED
(A) SUMMUS PETROLEUM CONSULTANTS LTD.
(C) SUTTON, KYLE & ASSOCIATES LTD.
(C) TECHNA-WEST ENGINEERING LTD.
(D) TEKNICA RESOURCE DEVELOPMENT LTD.
(B) TERRACON GEOTECHNIQUE LTD.
(D) THURBER CONSULTANTS LTD.
(A) W.H. TISDALL RESOURCES LTD.
(D) UMATAC INDUSTRIAL PROCESSES DIVISION OF UMA ENGINEERING LTD.
(A) ROSS S. VOGAN & ASSOCIATES LTD.

59. PETROLEUM EXPLORATION

(B) ADAMS PEARSON ASSOCIATES LTD.
(A) AK GEOPHYSICAL LTD.
(A) ALLORE PETROLEUM MANAGEMENT LTD.
(B) AMH RESOURCE MANAGEMENT LTD.
(A) ARVEC CONSULTING LTD.
(A) BALLATER RESOURCES LTD.
(A) BANNER ENGINEERING LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(B) BAR ENGINEERING LTD.
(A) BEDIZ EXPLORATION CONSULTANTS LTD.
(A) BLACK ENGINEERING LTD.
(A) BOHDAN CONSULTING LTD.
(A) BOLTER RESOURCE CONSULTING LTD.
(C) BORCOM ASSOCIATES
(A) BOWSMAN EXPLORATION LTD.
(B) BOYD EXPLORATION CONSULTANTS LTD.
(A) BRUNSWICK RESOURCE CONSULTANTS LTD.
(A) BRUSSET CONSULTANTS LTD.
(A) BRYEX ENTERPRISES LTD.
(B) CAL-CAN SYSTEMS & ENGINEERING LIMITED
(A) DONALD L. CAMPBELL CONSULTING GEOLOGISTS LTD.
(D) CANTERRA ENGINEERING LTD.

(A) CARSWELL CONSULTING LTD.
(C) CENTRE FOR FRONTIER ENGINEERING RESEARCH
(D) CENTURY GEOPHYSICAL CORPORATION OF CANADA
(A) A.P. CHASTKO CONSULTANTS LTD.
(E) COLES NIKIFORUK PENNELL ASSOCIATES LTD.
(A) COMER & WILSON LTD.
(B) COMMONWEALTH GEOPHYSICAL DEVELOPMENT COMPANY LTD.
(C) COMPUTER MODELLING GROUP
(C) CORE LABORATORIES-CANADA, LTD.
(A) CUMMING EXPLORATION CONSULTANTS LTD.
(F) D & S PETROLEUM CONSULTING GROUP LTD.
(A) DRILLCOMP ENGINEERING LTD.
(A) DYAD ENGINEERING LTD.
(A) E & H ENGINEERING CO. LIMITED
(A) I. ENGLISH GEOPHYSICAL LTD.
(A) ERDMAN RESOURCE CONSULTANTS LTD.
(D) EXLOG CANADA A DIVISION OF BAKER (CANADA) LTD.
(D) T. FEKETE & ASSOCIATES CONSULTANTS LTD.
(A) FEN EXPLORATION LTD.
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(A) PAUL FUENNING AND ASSOCIATES LTD.
(A) GANDALF EXPLORATION SERVICES LTD.
(B) GEODATA EXPLORATION SERVICES LTD.
(A) GEONA ENTERPRISES LTD.
(C) GEO-PHYSI-CON CO. LTD.
(E) GEOTECHNICAL RESOURCES LTD.
(A) K.J. GIBSON GEOLOGICAL CONSULTANTS LTD.
(A) GICO GEOPHYSICAL INTERPRETATION COMPANY LTD.
(A) E.E. GILBERT RESOURCES LTD.
(A) GKS PETROLEUM CONSULTANTS LTD.
(A) GLAISTER CONSULTING LTD.
(A) D.G. HAVLENA HYDROCARBON CONSULTANTS LTD.
(A) HELIOS PETROLEUM LTD.
(A) A.J. HINCH CONSULTANTS LTD.
(A) HITCHNER EXPLORATION SERVICES LIMITED
(A) H.E. HORNFORD GEOPHYSICAL CONSULTANTS LTD.
(A) H.T. HORNFORD EXPLORATION CONSULTANTS LTD.
(B) HUME, MANN & ASSOCIATES LTD.
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(A) INTERNATIONAL GEOLOGICAL CONSULTANTS LTD.
(A) INTERNATIONAL GEOPHYSICAL CONSULTANTS LTD.
(A) INTERNATIONAL TECTONIC CONSULTANTS LTD.
(A) IT & A INVERSE THEORY & APPLICATIONS INC.
(A) R.D. JOHNSON & ASSOCIATES LTD.
(A) JUTI ENTERPRISES LTD.
(A) G.D. KELL & ASSOCIATES LTD.
(A) KENNIBAR RESOURCES LTD.
(A) KIRST EXPLORATION
(A) D. KNAPIK GEOPHYSICS LTD.
(A) G.W. LABORDE EXPLORATION CONSULTANTS LTD.
(A) LOGIS DATA SYSTEMS LTD.
(B) LUNDBERG, GOODWIN & CURTS
(A) MATSALLA CONSULTING (1981) LTD.
(A) R.W. MAY & ASSOCIATES LTD.
(D) MEGA ENGINEERING LTD.
(A) MERLIN PETROLEUM SERVICES LTD.
(B) MICROSIM PETROLEUM SOFTWARE CORP.
(E) MITCHELL & ASSOCIATES LTD.
(B) MOH & ASSOCIATES OILFIELD CONSULTANTS LTD.
(A) MOLDENHAUER GEOLOGICAL CONSULTING LIMITED
(A) J.K. MORRISON RESOURCES LTD.
(A) NARAYAN CONSULTANTS LTD.
(A) R.E. NEWMAN EXPLORATION CONSULTANTS LTD.
(B) PALLISTER RESOURCE MANAGEMENT LTD.
(A) A.M. PATTERSON GEOLOGIST LTD.
(B) DALE PAYNE & ASSOCIATES LTD.
(A) PETHELEN RESOURCES (1973) LIMITED
(D) PETREL CONSULTANTS LTD.
(C) PETRESIM ENGINEERING LTD.
(A) PETROLEX CONSULTANTS LTD.
(A) PETROTECH ENGINEERING LTD.
(A) PI GEOLOGICAL CONSULTANTS (1971) LTD.
(A) JACK PICKEL PETROLEUM CONSULTANTS LTD.
(A) GK EXPLORATIONS LTD.(PRO GEO CONSULTANTS)
(A) PROTOSTAR RESOURCES LTD.
(D) PULSONIC GEOPHYSICAL LTD.
(A) QUATERNARY GEOSCIENCES LTD.
(A) RAGNAROK CONSULTING SERVICES LTD.
RAM ENGINEERING LTD.
(A) REINSON CONSULTANTS LTD.
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(C) RGS CONSULTANTS LTD.
(C) RPI CANADA LTD.
(A) R.W.D. WELLSITE CONSULTANTS LTD.
(A) SB GEOLOGICAL ASSOCIATES
(B) SEIS-STAR GEOPHYSICAL LTD.
(A) SERVIPETROL LTD.
(B) SHAWA GEOCONSULTANTS LTD.
(A) SHEWAN PETROLEUM ENGINEERING LTD.
(A) D.L. SIEMENS EXPLORATIONS LTD.
(B) SIMCOR PETROLEUM APPLICATIONS LTD.
(A) SIMIN EXPLORATION CONSULTANTS LTD.
(A) SIMMONS ENGINEERING LTD.
(E) SPROULE ASSOCIATES LIMITED
(A) RUSS STEELE CONSULTING LTD.
(A) STEPHEN'S WELL SITE CONSULTING LTD.
(A) STEWART'S DETAILED STRATIGRAPHY LTD.
(A) TAB EXPLORATION CONSULTANTS LTD.
(A) ROBERT L. TEDRICK PETROLEUMS LTD.
(D) TEKNICA RESOURCE DEVELOPMENT LTD.
(A) J.N. TIDSBURY GEOLOGICAL CONSULTANTS LTD.
(A) W.H. TISDALL RESOURCES LTD.
(A) TOBMAN RESOURCE MANAGEMENT LIMITED
(C) GRANT TRIMBLE ENGINEERING LTD.
(A) TRUMP RESOURCES LTD.
(A) TWYMAN GEOLOGICAL CONSULTANTS LTD.
(C) VERITAS GEOPHYSICAL LTD.
(A) ROSS S. VOGAN & ASSOCIATES LTD.
(A) WESTERN TANAGER RESOURCES LTD.
(A) XL GEOLOGICAL CONSULTANTS

60. PETROLEUM GEOLOGY

(H) ALBERTA RESEARCH COUNCIL
(B) AMH RESOURCE MANAGEMENT LTD.
(A) ASHTON PETROLEUM CONSULTANTS LTD.
(A) BEDIZ EXPLORATION CONSULTANTS LTD.
(A) BELLOY PETROLEUM CONSULTING LTD.
(E) BISSETT RESOURCE CONSULTANTS LTD.
(A) BOHDAN CONSULTING LTD.
(A) BOLTER RESOURCE CONSULTING LTD.
(C) BORCOM ASSOCIATES
(A) BRUNSWICK RESOURCE CONSULTANTS LTD.
(A) BRUSSET CONSULTANTS LTD.
(A) DONALD L. CAMPBELL CONSULTING GEOLOGISTS LTD.
(E) COLES NIKIFORUK PENNELL ASSOCIATES LTD.
(C) COMPUTER MODELLING GROUP
(C) CORE LABORATORIES-CANADA, LTD.
(A) COSBURN PETROLEUM CONSULTANTS LTD.
(A) CUMMING EXPLORATION CONSULTANTS LTD.
(F) D & S PETROLEUM CONSULTING GROUP LTD.
(A) GRAHAM DAVIES GEOLOGICAL CONSULTANTS LTD.
(A) E & H ENGINEERING CO. LIMITED
(A) ERDMAN RESOURCE CONSULTANTS LTD.
(D) T. FEKETE & ASSOCIATES CONSULTANTS LTD.
(A) FEN EXPLORATION LTD.
(A) PAUL FUENNING AND ASSOCIATES LTD.
(A) GANDALF EXPLORATION SERVICES LTD.
(B) GEODATA EXPLORATION SERVICES LTD.
(A) GEO-LAND CONSULTING LTD.
(A) GEONA ENTERPRISES LTD.
(E) GEOTECHNICAL RESOURCES LTD.
(A) K.J. GIBSON GEOLOGICAL CONSULTANTS LTD.
(A) E.E. GILBERT RESOURCES LTD.
(A) GKS PETROLEUM CONSULTANTS LTD.
(A) GLAISTER CONSULTING LTD.
(A) D.G. HAVLENA HYDROCARBON CONSULTANTS LTD.
(A) HELIOS PETROLEUM LTD.
(A) HITCHNER EXPLORATION SERVICES LIMITED
(A) H.T. HORNFORD EXPLORATION CONSULTANTS LTD.
(B) HUME, MANN & ASSOCIATES LTD.
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(A) INTERNATIONAL GEOLOGICAL CONSULTANTS LTD.
(A) INTERNATIONAL GEOPHYSICAL CONSULTANTS LTD.
(A) INTERNATIONAL TECTONIC CONSULTANTS LTD.
(A) C.E. JOHNSON EXPLORATION CONSULTANTS LTD.
(A) R.D. JOHNSON & ASSOCIATES LTD.
(A) JUTI ENTERPRISES LTD.
(A) LONGSTAFFE GEOLOGIC CONSULTING LTD.
(A) MATSALLA CONSULTING (1981) LTD.
(A) R.W. MAY & ASSOCIATES LTD.
(D) MCDANIEL & ASSOCIATES CONSULTANTS LTD.
(D) MEGA ENGINEERING LTD.
(A) MERLIN PETROLEUM SERVICES LTD.
(A) MINPROBE CONSULTANTS LTD.
(E) MITCHELL & ASSOCIATES LTD.
(B) MOH & ASSOCIATES OILFIELD CONSULTANTS LTD.
(A) MOLDENHAUER GEOLOGICAL CONSULTING LIMITED
(A) NARAYAN CONSULTANTS LTD.
(A) NRG ENGINEERING LTD.

(A) OPUS PETROLEUM ENGINEERING LTD.
(A) A.M. PATTERSON GEOLOGIST LTD.
(D) PETREL CONSULTANTS LTD.
(C) PETRESIM ENGINEERING LTD.
(A) PETROLEX CONSULTANTS LTD.
(A) PI GEOLOGICAL CONSULTANTS (1971) LTD.
(A) JACK PICKEL PETROLEUM CONSULTANTS LTD.
(A) GK EXPLORATIONS LTD.(PRO GEO CONSULTANTS)
(A) PROTOSTAR RESOURCES LTD.
(A) QUATERNARY GEOSCIENCES LTD.
(A) RAGNAROK CONSULTING SERVICES LTD.
RAM ENGINEERING LTD.
(A) REINSON CONSULTANTS LTD.
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(C) RGS CONSULTANTS LTD.
(C) RPI CANADA LTD.
(A) R.W.D. WELLSITE CONSULTANTS LTD.
(A) SB GEOLOGICAL ASSOCIATES
(A) SERVIPETROL LTD.
(B) SHAWA GEOCONSULTANTS LTD.
(A) SHEWAN PETROLEUM ENGINEERING LTD.
(A) D.L. SIEMENS EXPLORATIONS LTD.
(B) SIMCOR PETROLEUM APPLICATIONS LTD.
(A) SPRINGFIELD CONSULTING LTD.
(E) SPROULE ASSOCIATES LIMITED
(A) STEWART'S DETAILED STRATIGRAPHY LTD.
(A) SUMMUS PETROLEUM CONSULTANTS LTD.
(A) TAB EXPLORATION CONSULTANTS LTD.
(A) ROBERT L. TEDRICK PETROLEUMS LTD.
(D) TEKNICA RESOURCE DEVELOPMENT LTD.
(A) J.N. TIDSBURY GEOLOGICAL CONSULTANTS LTD.
(A) W.H. TISDALL RESOURCES LTD.
(A) TOBMAN RESOURCE MANAGEMENT LIMITED
(A) TWYMAN GEOLOGICAL CONSULTANTS LTD.
(A) ROSS S. VOGAN & ASSOCIATES LTD.
(A) WESTERN TANAGER RESOURCES LTD.
(A) XL GEOLOGICAL CONSULTANTS

61. PETROLEUM SEPARATION

(F) ABAX ENERGY SERVICES LTD.
(H) ALBERTA RESEARCH COUNCIL
(A) ALLORE PETROLEUM MANAGEMENT LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(A) BALLATER RESOURCES LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(A) ROGER J. BARON ENGINEERS LTD.
(A) BHM PROJECTS LIMITED
(C) BORCOM ASSOCIATES
(A) R.H. BROWN ENGINEERING SERVICES LTD.
(A) A.S.L. CAMPBELL ENGINEERING LTD.
(B) CAN WEST CONSTRUCTION (1978) LTD.
CAN WEST ENGINEERING LTD.
(A) C-H SYNFUELS LTD.
(A) CHRONES ENGINEERING CONSULTANTS INC.
(F) COLT ENGINEERING CORPORATION
(F) D & S PETROLEUM CONSULTING GROUP LTD.
(B) DALCOR INNOVENTURES LTD.
(D) DB ENGINEERS & CONSTRUCTORS
(G) DELTA PROJECTS INC.
(A) DRILLCOMP ENGINEERING LTD.
(A) E & H ENGINEERING CO. LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(A) HVAL CONSULTANTS INC.
(B) HYCARB ENGINEERING LTD.
(B) HYPROTECH LTD.
(D) INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.
(E) I.P. CONSTRUCTORS LTD.
(A) KARST RESOURCE CONSULTANTS LTD.
(D) KASTEN, EADIE ENGINEERING LTD.
(E) KILBORN ENERGY INC.
(C) LM & M ENGINEERING LTD.
(F) LUMMUS CANADA INC.
(C) MAXWELL ENGINEERING LTD.
(A) MRW ENGINEERING LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(F) PARTEC LAVALIN INC.
(F) PCL-BRAUN-SIMONS LTD.
(A) PETHELEN RESOURCES (1973) LIMITED
(A) PETROTECH ENGINEERING LTD.
(E) PETROTECH LAVALIN INC.
(A) PREMIER RESERVOIR ENGINEERING SERVICES LTD.
(D) QUANTEL ENGINEERING (1981) LTD.
RAM ENGINEERING LTD.
(C) REINTJES ENGINEERING LTD.
(A) GILBERT M. REKKEN & ASSOCIATES LTD.
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(A) RGM ENGINEERING & CONSULTANTS LTD.
(D) D.B. ROBINSON & ASSOCIATES LTD.
(D) RTM ENGINEERING LTD.
(A) SEIDLITZ ENGINEERING LTD.
(A) SEPAR SYSTEMS & RESEARCH LTD.
(B) SIMCOR PETROLEUM APPLICATIONS LTD.
(B) SKM CONSULTING LTD.
(G) SNC CONSULTANTS LTD.
(F) SNC/FW LTD.
(F) STEARNS CATALYTIC LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(C) TITAN PROJECTS LTD
(G) UMA PRITCHARD LTD.
(D) UMATAC INDUSTRIAL PROCESSES DIVISION OF UMA ENGINEERING LTD.
(B) WESCO TESTING & ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.

62. PHYSICAL METALLURGY

(C) ACCESS PTI TECHNICAL SERVICES LTD.
(D) ACRES INTERNATIONAL LIMITED
(H) ALBERTA RESEARCH COUNCIL
(A) ALFOR METALLURGICAL COMPANY LTD.
(B) ALTEK MATERIALS ENGINEERING LTD.
(C) ANDERSON ASSOCIATES CONSULTING ENGINEERS INC.
(B) BALL WELDING & METALLURGICAL ENGINEERING LTD.
(C) BORCOM ASSOCIATES
(A) C & M ENGINEERING LTD.
(E) CANUCK GIE ENGINEERING LTD.
(C) CENTRE FOR FRONTIER ENGINEERING RESEARCH
(F) COROD MANUFACTURING LTD.
(A) DELTA WEST DEVELOPMENTS LTD.
(B) DM PROFESSIONAL SERVICES LTD.
(F) EBA ENGINEERING CONSULTANTS LTD.
(A) EMKU ENGINEERING LTD.
(A) FIRTH METALLURGICAL ENGINEERING LTD.
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(B) HOOGENSEN METALLURGICAL ENGINEERING LTD.
(A) W.G. JOHNSTON CORPORATION
(F) M.W. KELLOGG COMPANY LTD.
(B) L.V. ENGINEERING LTD.
(A) METALTA TECHNOLOGY LTD.
(F) PARTEC LAVALIN INC.
(E) PETROTECH LAVALIN INC.
(G) SNC CONSULTANTS LTD.

63. PLASTICS ENGINEERING

(H) ALBERTA RESEARCH COUNCIL
(A) ALFOR METALLURGICAL COMPANY LTD.
(B) ALTEK MATERIALS ENGINEERING LTD.
(A) BHM PROJECTS LIMITED
(A) FITZPATRICK ENGINEERING LIMITED
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(B) HOOGENSEN METALLURGICAL ENGINEERING LTD.
(A) W.G. JOHNSTON CORPORATION
(A) QMS QUALITY MONITORING SERVICES LTD.
(G) SNC CONSULTANTS LTD.

64. PLUMBING SYSTEMS

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(B) ADART ENGINEERING SERVICES INC.
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
(A) BACZ ENGINEERING LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(A) BOTAR AGENCY LTD.
(B) BRUYER CONSULTING LTD.
(C) CAMREC FACILITIES CONSULTANTS LIMITED
(A) CENTERLINE ENGINEERING CORP.
(E) CHERITON ENGINEERING INC.
(F) THE COHOS EVAMY PARTNERSHIP
(A) CONTINENTAL DESIGN LTD.
(F) COROD MANUFACTURING LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(B) DYOL ASSOCIATES LTD.
(B) EMANS, SMITH, ANDERSEN ENGINEERING LTD.
(E) ENDECO ENGINEERING LTD.

(C) FIELD, FIELD & FIELD
(A) FITZPATRICK ENGINEERING LIMITED
(G) FLUOR CANADA LTD.
(B) F.Y.N. ENGINEERING LIMITED
(A) G.P. VALUE ENGINEERING
(E) HEMISPHERE ENGINEERING INC.
(A) J.D. HENDERSON ENGINEERING LTD.
(B) ISOTEC LIMITED
(A) W.G. JOHNSTON CORPORATION
(A) KALITA PROJECTS INC.
(D) KASTEN, EADIE ENGINEERING LTD.
(D) KEEN ENGINEERING CO. LTD.
(B) KEMP ENGINEERING LTD.
(E) KILBORN ENERGY INC.
(D) KOLIGER SCHMIDT ARCHITECT ENGINEER
(A) KP ENGINEERING LTD.
(B) KROENING CONSULTANTS LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(D) LEE'S SHEET METAL (1980) LTD.
(B) MC CUTCHEON ENGINEERING LIMITED
(C) M.H.L. INTERNATIONAL LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) NOREL ENGINEERING
(A) NOVA ENGINEERING LTD.
(A) K.R. OLSEN ENGINEERING LIMITED
(A) D. PANAR & ASSOCIATES ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(A) PLISHKA, PRODANIUK, WOODS ASSOCIATES LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(B) RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) GILBERT M. REKKEN & ASSOCIATES LTD.
(B) SAFRONEK POMEROY & ASSOCIATES LTD.
(A) R.H. SCOTVOLD ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(A) SOLAR ENGINEERING GROUP LTD.
(A) SOUTHLAND ENGINEERING LTD.
(A) SPRATT CONSULTING SERVICES LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(C) STEINBRENNER CONSULTANTS LTD.
(B) SUNCORD ENGINEERING LTD.
(B) SUNTON ENGINEERING LTD.
(A) J.E. SWORDER ENGINEERING LTD.
(C) TERREN ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(A) VENTCO AND ASSOCIATES LTD.
(A) VHM & ASSOCIATES CONSULTING ENGINEERS LTD.
(C) WARDROP ALBERTA LTD.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.
(B) YEWCHUK ENGINEERING (1979) LTD.

65. PLYWOOD MILLS

(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(B) OMEGA ENGINEERING (CANADA) LTD.
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(C) WARDROP ALBERTA LTD.
(C) WEISS CONSULTANTS INC.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.

66. PULP & PAPER MILLS

(C) BEAK ASSOCIATES ENGINEERING LTD.
(G) BROWN & ROOT LTD.
(C) CML CONSTRUCTION MANAGEMENT LTD.
(B) GLENN H. CURTIS & ASSOCIATES LIMITED
(G) FLUOR CANADA LTD.
(B) GENERAL PHYSICS CORPORATION
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(A) INTERNATIONAL PROJECT MANAGEMENT
(E) LAMB MCMANUS ASSOCIATES LTD.
(F) LUMMUS CANADA INC.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(G) PCL CONSTRUCTION GROUP INC.
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(D) SENTROL SYSTEMS LTD.
(B) SEREDA, MARSH & ASSOCIATES LTD.
(D) SHAWINIGAN INTEG INC.
(G) SNC CONSULTANTS LTD.
(A) SPRATT CONSULTING SERVICES LTD.
(F) UNIVERSAL INDUSTRIES LTD.
(C) WARDROP ALBERTA LTD.
(C) WEISS CONSULTANTS INC.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.

67. RAILWAYS

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(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(E) BANISTER PIPELINES A DIVISION OF BANISTER CONTINENTAL LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) BOLTER PARISH TRIMBLE LTD.
(E) CHERITON ENGINEERING INC.
(C) CSC PROJECT MANAGEMENT SERVICES LTD.
(B) DALCOR INNOVENTURES LTD.
(A) B. DAVISON CONSULTING ENGINEER LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(G) FLUOR CANADA LTD.
(A) J.P. FORD CONSTRUCTION MANAGEMENT LTD.
(D) GCG DILLON CONSULTING LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(B) M & S RESEARCH & CONSULTING LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(F) REID CROWTHER & PARTNERS LIMITED
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(E) STEWART, WEIR & CO.
(C) TERREN ENGINEERING LTD.
(D) THURBER CONSULTANTS LTD.
(C) TRITEK ENGINEERING CONSULTANTS LTD.
(G) UMA ENGINEERING LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.

68. RAPID TRANSIT

(D) ACRES INTERNATIONAL LIMITED
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(A) BARTON-ASCHMAN ASSOCIATES LIMITED
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) BOLTER PARISH TRIMBLE LTD.
(E) CHERITON ENGINEERING INC.
(A) COMTEC ASSOCIATED LIMITED
(C) CSC PROJECT MANAGEMENT SERVICES LTD.
(B) DALCOR INNOVENTURES LTD.
(A) B. DAVISON CONSULTING ENGINEER LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(G) FLUOR CANADA LTD.
(D) GCG DILLON CONSULTING LTD.
(A) LOUIS G. GRIMBLE PROFESSIONAL ENGINEER LTD.
(E) HANSON MATERIALS ENGINEERING (ALBERTA)
(G) HARDY ASSOCIATES (1978) LTD.
(E) HEMISPHERE ENGINEERING INC.
(B) HMS ENGINEERING LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(C) MAGNA IV ENGINEERING LTD.
(B) MATSON ENGINEERING CONSULTANTS LTD.
(A) MJP & ASSOCIATES ENGINEERING CO. LTD.
(A) MKM ENGINEERING CONSULTANTS
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) OPSTAD ENGINEERING LTD.
(A) D. PANAR & ASSOCIATES ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) RETOM GEO-RESEARCH AND ENGINEERING INC.
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(B) SUNCORD ENGINEERING LTD.
(C) TERREN ENGINEERING LTD.
(A) TETRA SYSTEMS LTD.
(D) THURBER CONSULTANTS LTD.
(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.

(D) WIEBE FOREST ENGINEERING LTD.
(B) YEWCHUK ENGINEERING (1979) LTD.

69. RECREATIONAL FACILITIES

(A) 3D-N ENGINEERING SERVICES LTD.
(A) ABRAMS ENGINEERING INC.
(D) ACRES INTERNATIONAL LIMITED
(A) ADAPTIVE ENGINEERING LTD.
(B) ADART ENGINEERING SERVICES INC.
(A) ALAN ENGINEERING CORPORATION LTD.
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
APEM ENGINEERING LTD.
(A) ARVIDSON ENGINEERING INC.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(A) BEARDEN ENGINEERING CONSULTANTS LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(C) BUTLER KREBES LEWIS ASSOCIATES LTD.
(C) CAMPBELL WOODALL & ASSOCIATES CONSULTING ENGINEERS LTD.
(C) CAMREC FACILITIES CONSULTANTS LIMITED
(C) CARSWELL ENGINEERING LTD.
(D) CEP CONSULTANTS (1985) LTD.
(E) CHERITON ENGINEERING INC.
(F) THE COHOS EVAMY PARTNERSHIP
(B) CO-ORDINATED ENGINEERING LTD.
(A) CORPORATE C.R.A.M. ASSOCIATES LTD.
(B) DALCOR INNOVENTURES LTD.
(A) B. DAVISON CONSULTING ENGINEER LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(C) EASTERN IRRIGATION DISTRICT
(C) THE ENGINEERS COLLABORATIVE
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(B) FENTON BERGMAN ENGINEERING LTD.
(C) FIELD, FIELD & FIELD
(A) FITZPATRICK ENGINEERING LIMITED
(G) FLUOR CANADA LTD.
(A) J.P. FORD CONSTRUCTION MANAGEMENT LTD.
(A) W.J. FRANCL CONSULTING LTD.
(D) GCG DILLON CONSULTING LTD.
(E) GEOTECHNICAL RESOURCES LTD.
(D) GPEC CONSULTING LTD.
(A) G.P. VALUE ENGINEERING
(A) HARBINSON DEVELOPMENT SERVICES LTD.
(G) HARDY ASSOCIATES (1978) LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(E) HEMISPHERE ENGINEERING INC.
(B) HO & LAVIOLETTE ENGINEERING LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(B) ISOTEC LIMITED
(B) ERIC P. JOKINEN & ASSOCIATES LTD.
(D) KASTEN, EADIE ENGINEERING LTD.
(D) KEEN ENGINEERING CO. LTD.
(B) KEITH ENGINEERING LIMITED
(B) KEMP ENGINEERING LTD.
(A) KLEINFELDT CONSULTANTS LTD.
(D) KOLIGER SCHMIDT ARCHITECT ENGINEER
(A) KP ENGINEERING LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(B) LOMBARD NORTH GROUP (1980) LTD.
(A) MANRAY CONSULTING LTD.
(A) R.F. MANUEL ENGINEERING LTD.
(C) M.H.L. INTERNATIONAL LTD.
(B) MID-CANADA CONSULTING GROUP LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(B) J.M. MULLIGAN & ASSOCIATES LTD.
(B) NANUK ENGINEERING & DEVELOPMENT LTD.
(A) NOREL ENGINEERING
(A) JOHN G. OGILVY CONSULTING ENGINEER LTD.
(B) OLYMPIA ENGINEERING (1982) INC.
(B) PACER DEVELOPMENT SERVICES
(A) KEITH K. PAGET ENGINEERING LTD.
(A) PCL ASSOCIATES LTD.
(G) PCL CONSTRUCTION GROUP INC.
(A) PLESHKA, PRODANIUK, WOODS ASSOCIATES LTD.
(A) P.F. PROCTOR CONSULTING LTD.
(A) PTARMIGAN ENGINEERING LIMITED
(B) QUINN DRESSEL JOKINEN
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(B) RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) GILBERT M. REKKEN & ASSOCIATES LTD.
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(B) RUSSELL & BAIRD ARCHITECTS LTD.
(C) SCHMIDT FELDBERG CROLL HENDERSON ARCHITECTS.ENGINEERS
(B) SEREDA, MARSH & ASSOCIATES LTD.
(B) SERV-ALTA ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(A) SOLAR ENGINEERING GROUP LTD.
(A) J.D. SONS & ASSOCIATES MANAGEMENT LTD.
(A) SOUTHLAND ENGINEERING LTD.
(A) SPRATT CONSULTING SERVICES LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(C) STEINBRENNER CONSULTANTS LTD.
(E) STEWART, WEIR & CO.
(A) M. STRZELECKI CONSULTING ENGINEERS LTD.
(B) SUNCORD ENGINEERING LTD.
(B) SUNTON ENGINEERING LTD.
(A) TEAM PROJECTS LTD.
(C) TERREN ENGINEERING LTD.
(C) TRITEK ENGINEERING CONSULTANTS LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(A) VENTCO AND ASSOCIATES LTD.
(A) VHM & ASSOCIATES CONSULTING ENGINEERS LTD.
(C) WARDROP ALBERTA LTD.
(B) M.P. WERNER ENGINEERING LTD.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.
(B) YEWCHUK ENGINEERING (1979) LTD.

70. REFRIGERATION

(A) ABRAMS ENGINEERING INC.
(D) ACRES INTERNATIONAL LIMITED
(I) ALBERTA POWER LIMITED
(C) ANGUS BUTLER ENGINEERING (1980) LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(A) BACZ ENGINEERING LTD.
(F) BANTREL GROUP ENGINEERS LTD.
(A) DEREK BROWN ENGINEERING INC.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(C) CAMREC FACILITIES CONSULTANTS LIMITED
(A) CECOL DIVISION OF KANATA HOLDINGS LTD.
(A) CENTERLINE ENGINEERING CORP.
(E) CHERITON ENGINEERING INC.
(F) THE COHOS EVAMY PARTNERSHIP
(F) COLT ENGINEERING CORPORATION
(B) DYOL ASSOCIATES LTD.
(B) EMANS, SMITH, ANDERSEN ENGINEERING LTD.
(A) FITZPATRICK ENGINEERING LIMITED
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(C) GEMINI ENGINEERING LTD.
(E) HEMISPHERE ENGINEERING INC.
(A) J.D. HENDERSON ENGINEERING LTD.
(A) F.E. HORTON & ASSOCIATES
(B) HYPROTECH LTD.
(A) W.G. JOHNSTON CORPORATION
(D) KASTEN, EADIE ENGINEERING LTD.
(D) KEEN ENGINEERING CO. LTD.
(F) M.W. KELLOGG COMPANY LTD.
(B) KEMP ENGINEERING LTD.
(E) KILBORN ENERGY INC.
(D) KOLIGER SCHMIDT ARCHITECT ENGINEER
(A) KP ENGINEERING LTD.
(E) LAMB MCMANUS ASSOCIATES LTD.
(D) LEE'S SHEET METAL (1980) LTD.
(D) MACDONALD ENGINEERING PROJECTS LTD.
(B) MC CUTCHEON ENGINEERING LIMITED
(C) M.H.L. INTERNATIONAL LTD.
(A) MILAR ENGINEERING LIMITED
(A) NOVA ENGINEERING LTD.
(A) PADULA ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(B) M.V. PEDERSEN ENGINEERING LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(B) RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(D) RTM ENGINEERING LTD.
(B) SAFRONEK POMEROY & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(A) SPRATT CONSULTING SERVICES LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.

(C) STEINBRENNER CONSULTANTS LTD.
(B) SUNCORD ENGINEERING LTD.
(B) SUNTON ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(G) UMA PRITCHARD LTD.
(A) VENTCO AND ASSOCIATES LTD.
(C) WARDROP ALBERTA LTD.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(B) YEWCHUK ENGINEERING (1979) LTD.

71. SAWMILLS

(D) ACRES INTERNATIONAL LIMITED
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(G) FLUOR CANADA LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) H.D. RICHARDSON & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(F) UNIVERSAL INDUSTRIES LTD.
(C) WARDROP ALBERTA LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.

72. SEWAGE COLLECTION & DISPOSAL

(A) 3D-N ENGINEERING SERVICES LTD.
(A) ABRAMS ENGINEERING INC.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(B) AL-TERRA ENGINEERING LTD.
(A) ALTIME ENGINEERING LTD.
APEM ENGINEERING LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(C) BEAIRSTO-STEWART-WEIR ENGINEERING LIMITED
(C) BEAK ASSOCIATES ENGINEERING LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) BORCOM ASSOCIATES
(C) DAVID BROMLEY ENGINEERING (1983) LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(B) BRUYER CONSULTING LTD.
(C) BUTLER KREBES LEWIS ASSOCIATES LTD.
(C) CARSWELL ENGINEERING LTD.
(D) CEP CONSULTANTS (1985) LTD.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(B) DALCOR INNOVENTURES LTD.
(A) DALTHAM CONSULTING LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(C) ECOS ENGINEERING SERVICES LTD.
(E) ENDECO ENGINEERING LTD.
(B) FENTON BERGMAN ENGINEERING LTD.
(G) FLUOR CANADA LTD.
(A) FOX ENGINEERING & SURVEYING LTD.
(A) W.J. FRANCL CONSULTING LTD.
(A) G. FRASER CONSULTING LTD.
(B) F.Y.N. ENGINEERING LIMITED
(D) GCG DILLON CONSULTING LTD.
(E) GENEREX PROJECT MANAGEMENT LTD.
(B) G-METRIC ENGINEERING SERVICES LTD.
(D) GPEC CONSULTING LTD.
(A) HARGRAVE CAREFOOT ENGINEERING CONSULTANTS LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(E) HEMISPHERE ENGINEERING INC.
(B) HHC TEAM CONSULTANTS INC.
(A) HUBER ENGINEERING INC.
(C) I.D. ENGINEERING COMPANY LIMITED
(B) KEITH ENGINEERING LIMITED
(B) KENEEMA ENGINEERING LTD.
(B) LOMBARD NORTH GROUP (1980) LTD.
(A) J.N. MACKENZIE ENGINEERING LTD.
(A) MANRAY CONSULTING LTD.
(B) MATSON ENGINEERING CONSULTANTS LTD.
(B) MERGE CONSULTING LTD.
(C) M.H.L. INTERNATIONAL LTD.
(A) NESCO CONSULTING LTD.
(A) NOREL ENGINEERING
(B) OMEGA ENGINEERING (CANADA) LTD.
(F) PARTEC LAVALIN INC.
(B) B.M. POTTER CONSULTANTS LTD.
(A) PRISM ENGINEERING & SURVEYS LTD.
(A) P.E. PROCTOR CONSULTING LTD.
(B) PYD ENGINEERING LTD.
(A) QMS QUALITY MONITORING SERVICES LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(A) GILBERT M. REKKEN & ASSOCIATES LTD.
(B) SAMIDE ENGINEERING LTD.
(B) SCHEFFER CONSULTANTS LTD.
(A) SEPAR SYSTEMS & RESEARCH LTD.
(B) SEREDA, MARSH & ASSOCIATES LTD.
(B) SERV-ALTA ENGINEERING LTD.
(B) P. SIEMENS ENGINEERING SERVICES LTD.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(E) STEWART, WEIR & CO.
(B) STRATHCONA ENGINEERING LTD.
(B) SUNCORD ENGINEERING LTD.
(B) SUVAN FETTIG & ASSOCIATES (1984) LTD.
(A) TEAM 7 CONSULTANTS
(C) TERREN ENGINEERING LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(B) THIERMAN & ASSOCIATES LTD.
(C) TRITEK ENGINEERING CONSULTANTS LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(D) WALKER, NEWBY & ASSOCIATES LTD.
(C) WARDROP ALBERTA LTD.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.

73. SEWAGE TREATMENT & POLLUTION CONTROL

(A) 3D-N ENGINEERING SERVICES LTD.
(C) ACCESS PTI TECHNICAL SERVICES LTD.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(I) ALBERTA POWER LIMITED
(B) AL-TERRA ENGINEERING LTD.
(A) ALTIME ENGINEERING LTD.
APEM ENGINEERING LTD.
(C) APPLIED ENGINEERING SCIENCES GROUP LTD.
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(C) BORCOM ASSOCIATES
(C) DAVID BROMLEY ENGINEERING (1983) LTD.
(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(B) BRUYER CONSULTING LTD.
(C) BUTLER KREBES LEWIS ASSOCIATES LTD.
(D) CEP CONSULTANTS (1985) LTD.
(A) C-H SYNFUELS LTD.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(B) DALCOR INNOVENTURES LTD.
(A) DALTHAM CONSULTING LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(E) ENDECO ENGINEERING LTD.
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(B) FENTON BERGMAN ENGINEERING LTD.
(H) FLINT ENGINEERING & CONSTRUCTION, LTD.
(G) FLUOR CANADA LTD.
(A) W.J. FRANCL CONSULTING LTD.
(A) G. FRASER CONSULTING LTD.
(B) F.Y.N. ENGINEERING LIMITED
(D) GCG DILLON CONSULTING LTD.
(B) GLADWALL ENGINEERING SERVICES LTD.
(D) GPEC CONSULTING LTD.
(A) G.P. VALUE ENGINEERING
(B) HASEGAWA AND ASSOCIATES LTD.
(B) HHC TEAM CONSULTANTS INC.
(A) HYDROSPEC CONSULTING LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(E) I.P. CONSTRUCTORS LTD.
(B) KEITH ENGINEERING LIMITED
(B) KENEEMA ENGINEERING LTD.
(B) KOMEX CONSULTANTS LTD.
(B) LOMBARD NORTH GROUP (1980) LTD.
(B) LOTEPRO PLANTS LIMITED
(F) LUMMUS CANADA INC.
(B) L.V. ENGINEERING LTD.
(B) MATSON ENGINEERING CONSULTANTS LTD.
(B) MERGE CONSULTING LTD.
(C) M.H.L. INTERNATIONAL LTD.

(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) NESCO CONSULTING LTD.
(B) OMEGA ENGINEERING (CANADA) LTD.
(A) D. PANAR & ASSOCIATES ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(G) PCL CONSTRUCTION GROUP INC.
(B) B.M. POTTER CONSULTANTS LTD.
(A) PTARMIGAN ENGINEERING LIMITED
(B) PYD ENGINEERING LTD.
(D) QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.
(F) REID CROWTHER & PARTNERS LIMITED
(B) SAMIDE ENGINEERING LTD.
(B) SCHEFFER CONSULTANTS LTD.
(A) SEPAR SYSTEMS & RESEARCH LTD.
(B) SEREDA, MARSH & ASSOCIATES LTD.
(B) SERV-ALTA ENGINEERING LTD.
(B) P. SIEMENS ENGINEERING SERVICES LTD.
(B) J.A. SMITH & ASSOCIATES LTD.
(G) SNC CONSULTANTS LTD.
(G) STANLEY ASSOCIATES ENGINEERING LTD.
(E) STEWART, WEIR & CO.
(B) STRATHCONA ENGINEERING LTD.
(A) TEAM 7 CONSULTANTS
(A) TERA ENVIRONMENTAL CONSULTANTS (ALTA) LTD.
(C) TERREN ENGINEERING LTD.
(A) TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.
(B) THIERMAN & ASSOCIATES LTD.
(C) TRITEK ENG'NEERING CONSULTANTS LTD.
(C) TWS ENGINEERING LTD.
(G) UMA ENGINEERING LTD.
(B) URBAN SYSTEMS LTD.
(C) WARDROP ALBERTA LTD.
(C) WEISS CONSULTANTS INC.
(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) WINTERHAWK DEVELOPMENTS LTD.
(C) ZAZULA PROCESS EQUIPMENT LTD.

74. SMELTING & REFINING

(D) ACRES INTERNATIONAL LIMITED
(F) BANTREL GROUP ENGINEERS LTD.
(A) BHM PROJECTS LIMITED
(C) CML CONSTRUCTION MANAGEMENT LTD.
(G) FLUOR CANADA LTD.
(C) GRAHAM CONSTRUCTION & ENGINEERING (1985) LTD.
(A) W.G. JOHNSTON CORPORATION
(E) KILBORN ENERGY INC.
(F) LUMMUS CANADA INC.
(C) OHMIC ENGINEERING LTD.
(F) PARTEC LAVALIN INC.
(G) PCL CONSTRUCTION GROUP INC.
(G) SNC CONSULTANTS LTD.
(F) STEARNS CATALYTIC LTD.
(C) WARDROP ALBERTA LTD.
(C) WEISS CONSULTANTS INC.

75. SOLID WASTE SYSTEMS

(A) 3D-N ENGINEERING SERVICES LTD.
(D) ACRES INTERNATIONAL LIMITED
(B) ADART ENGINEERING SERVICES INC.
(I) ALBERTA POWER LIMITED
(E) ASSOCIATED ENGINEERING ALBERTA LTD.
(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
(F) BANTREL GROUP ENGINEERS LTD.
(C) BEAK ASSOCIATES ENGINEERING LTD.
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
(A) D.W. BERNARD GROUNDWATER CONSULTANTS LTD.
(C) BORCOM ASSOCIATES
(C) DAVID BROMLEY ENGINEERING (1983) LTD.
(D) CEP CONSULTANTS (1985) LTD.
(A) C-H SYNFUELS LTD.
(E) CHERITON ENGINEERING INC.
(E) CH2M HILL ENGINEERING LTD.
(A) DALTHAM CONSULTING LTD.
(F) DELCAN DELEUW CATHER WESTERN LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
(C) ENVIRONMENTAL MANAGEMENT ASSOCIATES
(A) FITZPATRICK ENGINEERING LIMITED
(G) FLUOR CANADA LTD.
(A) W.J. FRANCL CONSULTING LTD.
(D) GCG DILLON CONSULTING LTD.
(B) GENERAL PHYSICS CORPORATION
(E) GENEREX PROJECT MANAGEMENT LTD.
(D) GPEC CONSULTING LTD.
(B) HASEGAWA AND ASSOCIATES LTD.
(C) I.D. ENGINEERING COMPANY LIMITED
(A) KALITA PROJECTS INC.
(D) KLOHN LEONOFF LTD.
(B) KOMEX CONSULTANTS LTD.
(F) LUMMUS CANADA INC.
(C) M.H.L. INTERNATIONAL LTD.
(G) MONENCO CONSULTANTS LIMITED
(G) MONENCO LIMITED
(A) NOVA ENGINEERING LTD.
(B) PITEAU ENGINEERING LTD.
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76. SURVEYING & MAPPING

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(C) MAX BAHNSEN CONSULTING LTD.(EPEC CONSULTING GROUP)
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(C) BEAIRSTO-STEWART-WEIR ENGINEERING LIMITED
(B) BECKER, ELZEIN AND ASSOCIATES LTD.
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(C) BORCOM ASSOCIATES
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(B) 293329 ALBERTA LTD.(BROWN ENGINEERING)
(D) BROWN OKAMURA & ASSOCIATES LTD.
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(D) CEP CONSULTANTS (1985) LTD.
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(A) FOX ENGINEERING & SURVEYING LTD.
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(A) BEUKER ENGINEERING LTD.
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(A) COMTEC ASSOCIATED LIMITED
(B) CO-ORDINATED ENGINEERING LTD.
(C) CSC PROJECT MANAGEMENT SERVICES LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
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(D) WIEBE FOREST ENGINEERING LTD.
(C) WINKELAAR HOWARD & ASSOCIATES LTD.
(A) W.D. WOROBEC & ASSOCIATES INC.

78. TRAFFIC & TRANSPORTATION SYSTEMS

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(E) ASSOCIATED ENGINEERING ALBERTA LTD.
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(D) CEP CONSULTANTS (1985) LTD.
(E) CHERITON ENGINEERING INC.
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(B) DALCOR INNOVENTURES LTD.
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(F) DELCAN DELEUW CATHER WESTERN LTD.
(C) DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.
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(B) URBAN SYSTEMS LTD.
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(C) WARDROP ALBERTA LTD.
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79. TUNNELS

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80. VIBRATION ANALYSIS

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82. WELDING METALLURGY

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(A) SHUMBORSKI ENGINEERING LTD.
(G) SNC CONSULTANTS LTD.
(F) SNC/FW LTD.
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(A) WINTERHAWK DEVELOPMENTS LTD.

Directory of Consultants

3D-N ENGINEERING SERVICES LTD.

Derrick Kamanga, President/Chief Executive
Deni Leonard, Director: Finance & Business Development
Lester Lafond, Director: Business Development
Peter Goertz, Marketing

HEAD OFFICE:
Suite 2603, Esso Plaza East Tower
425 - 1st Street S.W.
Calgary, Alberta T2P 3L8
(403) 232-8858

ALBERTA OFFICES:
24 Woodford Crescent S.W.
Calgary, Alberta T2W 4C4
(403) 281-0356

DESCRIPTION: 3D-N Engineering Services Ltd. was incorporated in 1983 and subsequently re-organized in 1986 to include Leonard Lafond Associates, financial management/planning disciplines. The objective of the firm's new look is to provide diversified consulting services, in addition to water supply treatment, storage and distribution systems, such as economic studies, financial management/planning, solid waste management and all aspects of municipal engineering.

SPECIAL SERVICES: Provide special financial management and planning to Indian Bands in Canada.

ABAX ENERGY SERVICES LTD.

Ted Bartkiewicz, President
Ian MacGregor, Vice President
Rick Sukovieff, Vice President

HEAD OFFICE:
5929 - 6th Street N.E.
Calgary, Alberta T2K 5R5
(403) 275-6260 TLX/TWX
03-827729

DESCRIPTION: Abax has been in business for 15 years and offers engineering, fabrication and construction services in all areas of petroleum-related facilities. These include gas plants, refineries, batteries and wellsite equipment. Subsidiary companies and their specialties are: Solex Energy - micro gas plants; Plains Oil Processing - packaged wellsite equipment; Chinook Pipe and Supply - tubulars and pumpjacks; Deltx - large wind driven water pumps.

ABBOTTSFIELD ENGINEERING SERVICES LTD.

Peter Ilica, P. Eng., President

HEAD OFFICE:
12514 - 124th Street
Edmonton, Alberta T5L 0N5
(403) 451-6454 CN/CP Mailbox ID:
PVF222

ALBERTA OFFICES:
#1, 210 MacAlpine Crescent
Fort McMurray, Alberta T9H 4A6

DESCRIPTION: The firm was formed and incorporated in 1982 in Edmonton. Fort McMurray and Mississauga, Ontario offices were opened in 1986. This multi-disciplined company specializes in engineering, procurement and project management for petrochemical and industrial applications. Areas of expertise include: mechanical, electrical, instrumentation, civil/structural and H.V.A.C. engineering. Special emphasis is also placed on a strong computer aided design and drafting (CADD) department.

OTHER CANADIAN OFFICES: Mississauga, Ontario

ABL ENGINEERING LTD.

J.W. Madill, Chairman
K.U. Driedger, President
T.M. Volk, General Manager

HEAD OFFICE:
505 - 2nd Street S.W.
P.O. Box 2700
Calgary, Alberta T2P 2P5
(403) 290-4714 TLX/TWX
038-21643

DESCRIPTION: ABL Engineering Ltd. was formed in 1978 as an equal partnership between Alberta Wheat Pool and BUFFALO Engineering Ltd. The company was formed to investigate, research and develop improved grain storage and handling facilities for Western Canada. The patented 'Buffalo' sloped bin technology was the result of this study. Buffalo grain storage facilities have now been constructed both nationally and internationally. Services have expanded to include not only design and construction of Buffalo silos, but also other types of grain handling, flour mills, grain cleaning plants, agricultural research and development and grain handling equipment.

SPECIAL SERVICES: ABL Engineering Ltd. holds the patent in Canada and the USA for the 'Buffalo' Grain Storage Technology. The concept is patent pending world wide.

ABRAMS ENGINEERING INC.

Peter P. Abrams, President

HEAD OFFICE:
10358 - 172 Street
Edmonton, Alberta T5S 1G9
(403) 484-8534

DESCRIPTION: Abrams Engineering Inc. was formed and incorporated in Edmonton, Alberta in 1986. The firm provides a broad range of mechanical engineering services including the design of commercial heating and ventilation systems, plumbing, site services, energy studies, mechanical system evaluations and industrial pumping and piping systems. The firm also specializes in accident investigations including expert witness reports and testimony. The company has senior personnel actively involved in all aspects of the detailed design and project co-ordination to enable the design team to operate at maximum benefit from their experience. The firm works in close association with a number of other mechanical, electrical, structural and municipal engineers to provide a broad range of expertise and experience.

SPECIAL SERVICES: We provide accident investigative services including cause determination, damage evaluation, cost estimates, reconstruction drawings and specifications and expert witness services.

ACADEMY STEEL DESIGN & FABRICATION LTD.

M. (Manou) Abdai, P. Eng., President
R. (Ray) Poordad, P. Eng., Treasurer
R. (Rick) Hoyle, Vice President
D. (Don) Morgan, Secretary

HEAD OFFICE:
2550 Centre Avenue N.E.
Calgary, Alberta T2A 2L2
(403) 273-5211

ACCESS PTI TECHNICAL SERVICES LTD.

Lloyd Wiebe, President
Ron Ginther, Vice President
Bruce Freeman, Secretary Treasurer

HEAD OFFICE:
3521 -78th Avenue S.E.
Calgary, Alberta T2C 1J7
(403) 279-2487 TLX/TWX
03-825835 CGY

ALBERTA OFFICES:
14240 - 115th Avenue
Edmonton, Alberta T2C 1J7

DESCRIPTION: Access PTI Technical Services Ltd. is a recent merger of Access Corrosion Services Limited and Pan Technical Industries (1981) Ltd. Both original firms were incorporated in 1978 and merged into one company in 1984. The company prides itself as one of Canada's most diversified organizations servicing the resource and energy industry. Access PTI has more than a decade and half of experience in executing turnkey projects. We offer a disciplined approach to a broad range of services in the resource industry.

SPECIAL SERVICES:
- Cathodic Protection
  - Engineering
  - Design
  - Materials/Construction
  - Routine Surveillance
- Nuclear Tracers
  - Waterflood Evaluations
  - Miscible and Combustion Floods
  - Custom Labelling and Isotope Manufacturing
  - Speciality Tracers for E.O.R. Projects
- Consulting Services
  - Gas Sweetening and Dehydration Operations
  - Oil Production and Treating Problems
  - Corrosion Investigations
- Laboratory Services
  - Analytical
  - Water Analyses
  - Nuclear Tracer Analyses
  - Chemical and Dye Tracer Analyses
  - Chemical Inhibitor Evaluations
  - Water Compatibility Evaluations
- Microbiological
  - Petroleum and Industrial Microbiology
  - Biocide Evaluations
  - Robbins Device Testing
  - Food Microbiology
- Environmental

OTHER FOREIGN OFFICES: Houston, Texas; Hong Kong

ACRES INTERNATIONAL LIMITED

Hugh C. Rynard, President
John M. Gardiner, Executive Vice-President
Gordon A. Alexander, Vice-President & Regional Manager
David H. Marko, Manager - Marketing

HEAD OFFICE:
480 University Avenue
Toronto, Ontario M5G 1V2
(416) 595-2000

ALBERTA OFFICES:
5th Floor, 10201 Southport Road S.W
Calgary, Alberta T2W 4X9
253-9161 TLX/TWX 03825582

DESCRIPTION: Acres was founded in 1924. The Calgary office was opened in 1968 and Alberta registration was granted in January, 1969. Acres, as an employee owned consulting organization, is active in many diversified fields of planning, engineering and management. The Company's services include power, heavy civil, industrial, metals and mining, as well as a number of special services such as economics and planning, environmental assessment, geotechnical investigation and water resource planning and development, all of which range from preliminary studies through all phases of engineering to total project management. Acres also undertakes design/construction projects, accepting responsibility for construction and commissioning of plant and facilities. (Brochure available.)

OTHER CANADIAN OFFICES: Vancouver, B.C.; Winnipeg, Manitoba; Burlington, Ontario; Niagara Falls, Ontario; Halifax, N.S.; Sydney, N.S.; St. John's, Nfld.

OTHER FOREIGN OFFICES: Alexandria, VA.; Anchorage, AK.; Buffalo, N.Y.; Washington, D.C.; - U.S.A.

ADAMS PEARSON ASSOCIATES LTD.

D.M. Adams, P.Eng., President
R.M. Pearson, P.Eng., Vice-President

HEAD OFFICE:
850 Bow Valley Square I
202 - 6th Avenue S.W.
Calgary, Alberta T2P 2R9
(403) 265-7226 TLX/TWX
03-821172 CGY

DESCRIPTION: Adams Pearson Associates Ltd. was formed in 1982. It is a wholly Canadian owned petroleum engineering company with head office located in Calgary, Alberta. Adams Pearson Associates provide a wide range of technical services in Canada and overseas including reservoir and production engineering, economic evaluations, well testing and completions planning. The company is experienced in conventional oil & gas, frontier development planning, heavy oil, offshore oil and gas; in onshore, offshore and overseas environments. APA also presents technical training courses both locally and overseas.

SPECIAL SERVICES: Technical Training in Petroleum Engineering.

SUBSIDIARY INFORMATION: Scotia Energy Inc., 4849 Greenville Avenue, Dallas, Texas. Technical, economic analysis oil & gas development, investment management, computer applications. G B Petroleum Consultants Limited, 18 Grosvenor Street, London, England. Evaluations, market analysis strategy studies, project loan evaluations, reservoir engineering, geological interpretations. SGS Consultants, 11850 Summer Trail, Tucson, Arizona project management, analysis and design.

ADAPTIVE ENGINEERING LTD.

D.W. Smith, President

HEAD OFFICE:
238 Scarboro Avenue S.W.
Calgary, Alberta T3C 2H3
(403) 245-3551

DESCRIPTION: Adaptive Engineering Ltd. was incorporated in 1974 and initially concentrated on the design and manufacture of devices for the physically handicapped. The company now offers industrial design services with emphasis on the engineering side. This field is not well known in western Canada, but includes design, research, development, prototyping, testing and manufacture of new products.

SPECIAL SERVICES: Industrial design and consumer product engineering.

ADART ENGINEERING SERVICES INC.

Polek A. Lach, President

HEAD OFFICE:
2nd Floor, 1725 - 10th Avenue S.W.
Calgary, Alberta T3C 0K1
(403) 229-3110

DESCRIPTION: The firm was formed in Calgary in 1981. The company was incorporated in Alberta, 1982. Broad range of services in structural, general civil and geotechnical for all types of buildings, towers, bridges, overpasses, industrial structures and foundations, oil field and gas plant structures, transmission line structures, power substations, tunnels, roads. Services include all general and industrial projects. Specialized services are offered in the dynamic foundation and structures analysis. Trouble shooting for all structural failures and geotechnical problems, prefabricated concrete structures, site dewatering, solving problems related to ground- water. Refuse incinerators - selection the best type design incinerator installation and required facilities; fume scrubbers design.

SPECIAL SERVICES: Dynamic analysis of machine foundations and dynamically loaded structures. Trouble shooting for any structural failures. Simplified geotechnical soil investigation required for foundation design, sometimes limited only to a simple field soil investigation, depending on importance of the structure and soil conditions. Solving groundwater related problems.

ADEM ENGINEERING LTD.

Anast Demitt, President

HEAD OFFICE:
3rd Floor, 1422 Kensington Road
N.W.
Calgary, Alberta T2N 3P9
(403) 270-0923

DESCRIPTION: Adem Engineering was founded and Incorporated in Calgary, Alberta in March, 1985. A broad range of civil and building engineering services are offered on residential, commercial and industrial buildings. Services include structural design, materials engineering, building science, shop drawings and project management. specialized services are offered in the evaluation and repair of deteriorated concrete structures and in the evaluation and repair of building envelope failures.

AIRWAYS COMPRESSOR INCORPORATED

G. Klopp, President
A. Van Derlee, Vice President
K. McCudden, Vice President
R. Beech, Vice President

HEAD OFFICE:
4405C - 75th Avenue S.E.
Calgary, Alberta T2C 2K8
(403) 236-2668 TLX/TWX
03-824612

ALBERTA OFFICES:
2001 - 91 Avenue Edmonton, Alberta
T6P 1L1

DESCRIPTION: The firm was incorporated in 1985 for the purpose of promoting the use of compressed natural gas in diesel engines. Other activities include the development of systems and methods of recovering waste energy from biomass, pressure reduction in pipeline systems and from waste heat from engines, etc. The firm specializes in international marketing of the above systems.

OTHER CANADIAN OFFICES: 25 Victoria Drive, Vancouver, B.C.

OTHER FOREIGN OFFICES: Islamabad, Pakistan; Bangkok, Thailand; Buenos Aires, Argentina; Bejing, China; Darmstadt, Germany.

A K GEOPHYSICAL LTD.

Ayiaz Kaderali, President

HEAD OFFICE:
1701, 505 - 3rd Street S.W.
Calgary, Alberta T2P 3E6
(403) 233-0336

DESCRIPTION: A K Geophysical Ltd. provides geophysical services. Services offered include all facets of seismic processing, geophysical modelling, gravity/magnetics and inversion.

AFFILIATES: Commonwealth Geophysical Development Company, Ltd., 1701, 505 - 3rd Street S.W., Calgary, Alberta T2P 3E6

ALAN ENGINEERING CORPORATION LTD.

G.A. Cork, President

HEAD OFFICE:
#102, 135 - 18 Avenue N.E.
Calgary, Alberta T2E 1N1
277-7780

DESCRIPTION: Incorporated in 1965 in Calgary. We normally act as prime consultant on any building project. Experience has been concentrated in multi-family, commercial & industrial fields.

SPECIAL SERVICES: Licensed to practice architecture in Alberta.

ALBERTA CONTRACT ENGINEERING & INSPECTION LTD.

W.K. MacDonald, President
R. Cowan, Vice President
G. Babich, Vice President
M. Kaustinen, Secretary

HEAD OFFICE:
204 - 1422 Kensington Road N.W.
Calgary, Alberta T2N 3P9
(403) 270-4066 CNCP - Mailbox
KME001

DESCRIPTION: The firm was formed in 1985, incorporated the same year in Alberta. Services are related to pipeline construction specializing in location survey, computerized asbuilts, construction supervision and inspection. We also provide regulatory environmental, geological and geotechnical services.

ALBERTA GOVERNMENT TELEPHONES

H.M. Neldner, President

HEAD OFFICE:
10020 - 100 Street
Edmonton, Alberta T5J 0N5
(403) 425-2110 TLX/TWX
610-831-1851

ALBERTA OFFICES:
411 - 1 Street S.E.
Calgary, Alberta T2G 4Y5

DESCRIPTION: AGT has been providing engineering services since the 1920's, evolving from a government department in the late 1950's to its present form as a provincial crown corporation. Services offered cover the full range of telecommunication needs. The general business market is covered by AGT Business Systems (see separate entry). Netword services include earth satellite stations, linking light and heavy route transmission systems such as microwave, fiber optics, and cable systems, route design and network switching nodes, both local and toll. In addition ancillary systems are engineered for D.C. power, operator services, surveillance and control, standby generators, and buildings to house plant and operations. Services can be provided in the full range from feasibility studies, design, to turnkey systems. Both business and network services are offered in the world market by our recently formed company, Alta Telecom International Ltd.

OTHER FOREIGN OFFICES: Atlanta, USA.

SUBSIDIARY INFORMATION: Alta Telecom International Ltd., 10020 - 100 Street, Edmonton, Alberta T5J 0N5

THE ALBERTA LASER APPLICATIONS SCIENCE & ENGINEERING RESEARCH INSTITUTE

Dr. Norman L. Arrison, President
Dr. V. Merchant, Project Director
Dr. M. Cervenan, Project Director
Mr. D. Allsopp, Program Supervisor

HEAD OFFICE:
9924 - 45th Avenue
Edmonton, Alberta T6E 5J1
(403) 436-9750 TLX/TWX:
037-2979

DESCRIPTION: The Alberta Laser Institute was established by the U. Of A. and incorporated in Alberta in December 1984. The Institute remained in a planning mode until December of 1985 at which time staff were hired and office/lab facilities were located off campus in Edmonton. The mandate of the Institute is to assist industry with research and applications of laser systems (lasers plus robotics) to provide more cost-effective production technology, and a technology transfer mechanism from University to industry. Services include consulting, feasibility/costing studies, and applications research with the Institute's laser systems (6 KW CO_2 & 800 W CO_2 plus robotics equipment).

AFFILIATES: U. Of A. Electrical Engineering Department, Dr. Bob James, Chairman; Dr. John Tulip; Dr. Herb Sequin; Dr. Al Offenburger.

ALBERTA MICROELECTRONIC CENTRE

HEAD OFFICE:
118, 11315 - 87th Avenue
Edmonton, Alberta T6G 2C2
(403) 432-3914 (403) 432-0626

ALBERTA OFFICES:
200, 1620 - 29 Street N.W.
Calgary, Alberta T2N 4L7

DESCRIPTION: The ALBERTA MICROELECTRONIC CENTRE was established in 1982. Its mandate was to provide Alberta industry with high tech information and the access to training and facilities for microelectronic design. In 1985 the Alberta provincial government provided the Alberta Microelectronic Centre financial assistance to help expand its operations in Very Large Scale Intregration (VLSI) and Application Specific Integrated Circuit (ASIC) technologies. This injection of funds will provide a 'Front End FAB' facility for Integrated Circuit Processing in Edmonton and the latest in CAE design tools for the Design Centre in Calgary.

SPECIAL SERVICES: The Edmonton FAB facility will provide general engineering consulting and design services for electronic applications, project management, and prototype ASIC processing. Initial ASIC product line is a 2 micron double metal CMOS gate array ranging in size from 800 to over 10,000. The Calgary facility will provide ASIC design services, CAE design tool development, artificial intelligence design applications, and general software services to aid the microelectronic design community.

ALBERTA POWER LIMITED

C.O. TWA (Craighton), P. Eng., President
R.H. Choate, P. Eng., VP Administration
H.R. Lewis, VP & Controller
J.R. Frey, P. Eng., VP Planning & Business Development
J.E.A. Morin, P. Eng., VP Engineering & Contruction
P.F.K. McEwan, P. Eng., VP Customer Services
G. Paicu, P. Eng., VP Energy Supply

HEAD OFFICE:
10035 - 105th Street
Edmonton, Alberta T5M 3M3
(403) 420-7310 TLX/TWX (CU)
037-2848/610-831-1142

DESCRIPTION: With origins dating back to 1927, Alberta Power is a major force in the development of northern Alberta, supplying electric energy to the many companies which are exploring the promising resource development in areas such as Fort McMurray and Cold Lake. Alberta Power itself has two wholly owned subsidiaries—The Yukon Electrical Company Limited and Northland Utilities (NWT) Limited. These two companies have provided electrical service in the Yukon and in the south Mackenzie area of the Northwest Territories since the 1950's. At present, the three companies provide a reliable supply of electric energy to a total of 143,000 customers.

OTHER CANADIAN OFFICES: Whitehorse, Yukon; Hay River, NWT.

ALBERTA RESEARCH COUNCIL

R.W. Stewart, President
R. Green, Vice-President, Operations
E.A. Babcock, Vice-President, Natural Resources
J.G. Douglas, Vice-President, Energy Resources
D.J. Currie, Vice-President, Frontier Sciences
D.L. Mitchell, Vice-President, Industrial & Eng. Research
W.J. Cherpeta, Vice-President, Finance & Administration
D.M. Hollands, Secretariat

HEAD OFFICE:
250 Karl Clark Road
Edmonton, Alberta T6H 5R7
(403) 450-5111 TLX/TWX 0372147

ALBERTA OFFICES:
Suite 250, 1620 - 29 Street N.W.
Calgary, Alberta T2N 4L7

Room 249, Provincial Building
200 - 5th Avenue South
Lethbridge, Alberta

Provincial Building, 4920 - 51 Street
Red Deer, Alberta T4N 6K8

Nisku, Alberta

Devon, Alberta

DESCRIPTION: The Alberta Research Council is a crown corporation with a mandate to support and promote economic development in Alberta through scientific, engineering and technological research. The oldest and largest provincial research organization, the Alberta Research Council has a staff of 540, of whom 248 are scientists and engineers. Administrative offices and most of its laboratories are located in Edmonton, with other research facilities and staff in Calgary, Devon, Nisku (temporary), Red Deer and Lethbridge. Four research divisions are responsible for programs covering a wide range of pure and applied research, engineering and problem solving, and the operation of five specialized information centres (oil sands, geology, coal, solar and wind energy, industrial information). The Alberta Research Council also enters into contract research and joint research agreements with industry and government, with emphasis on technology transfer.

SPECIAL SERVICES: The seven major research programs are: Oil Sands Research: Bitumen recovery processes by steam and/or additive injection in the Athabasca and Cold Lake oil sands, geological and hydrogeological investigations at Athabasca, Cold Lake and Peace River; numerical modelling; maintenance of an oil sands sample bank to supply international laboratories. Coal Research: Coal conversion research including agglomeration in stirred tanks, liquefaction, hydrocarbon upgrading; coal geology; classification and evaluation of Alberta coals by pyrolysis and petrography. Natural Resources: Geologic studies and mapping; terrain science, concentrating on management of soil and water resources; land reclamation for use after surface coal mining; mathematical modelling of fluid flow in seep sedimentary basins; storm behaviour and hail formation. Biotechnology: Microbiology, fermentation technology and pilot scale-up, plant cell culture and crop improvement for cold hardiness, genetic engineering in the development of pharmaceuticals. Industrial Technologies: Research and testing laboratories for forest products, gasoline and oil, materials and industrial chemicals. Advanced Technologies: Computing-based and automation technologies for application and transfer to industry. Service to Industry: Providing short-term advisory and technical service to Alberta companies. Administration of the National Research Council's Industrial Research Assistance Program (IRAP) funds for Alberta industry.

ALEXANDER ENGINEERING LTD.

B. Alexander, President

HEAD OFFICE:
38 Village Road
Sherwood Park, Alberta T8A 0Z5
(403) 467-5344

DESCRIPTION: The firm was established in 1969 under the name B. Alexander & Associates Ltd. and subsequently changed in 1984 to Alexander Engineering Ltd. Services include structural design of new structures and evaluation of existing structures. We are experienced in timber, steel and reinforced concrete structures.

ALFOR METALLURGICAL COMPANY LTD.

C.E. Mozeson, P.Eng., President
L.Z. Mozeson, B.A., LL.B., Secretary-Treasurer

HEAD OFFICE:
6035 - 88 Street
Edmonton, Alberta T6E 5T4
(403) 465-0562

DESCRIPTION: The firm was established in 1979 in Calgary and is incorporated in Alberta. We offer a full range of services in the area of metallurgical engineering, including welding engineering, cause of failure investigations, corrosion, microscopic analysis of metals, and plastics. Complete metallurgical and welding laboratory testing is provided.

ALLORE PETROLEUM MANAGEMENT LTD.

John G. Gray, President

HEAD OFFICE:
805, 805 - 8th Avenue S.W.
Calgary, Alberta T2P 1H7
(403) 266-7535

ALMOR TESTING SERVICES LTD.

A. Morozoff, President
R.F. Stocco, General Manager

HEAD OFFICE:
7058-D Farrell Road S.E.
Calgary, Alberta T2H 0T2
(403) 253-4472

DESCRIPTION: Almor Testing Services Ltd. consists of engineers, technologists, technicians and back-up support with special expertise in soils, concrete, asphalt and related construction. Incorporated in Alberta in 1974, the company operates from office and laboratory facilities located in Calgary and is owned and managed by practicing professionals. Being free of outside interests, the company is in a position to offer unbiased professional advice to clients. Experience gained on a wide variety of civil engineering projects allows us to approach new projects with a high standard of technical expertise and, when required, other specialized consultants are employed to assist in geotechnical studies and designs, corrosion studies, and failure investigations.

ALPHA ENERGY CONSULTANTS LTD.

William S. Woods, President & Chairman of Board
Nancy P. Woods, Controller

HEAD OFFICE:
122 Canterbury Place S.W.
Calgary, Alberta T2W 1P3
(403) 238-3590

ALBERTA OFFICES:
12th Floor, Bradie Building
630 - 6th Avenue S.W.
Calgary, Alberta T2P 0S8

DESCRIPTION: The firm was formed in 1976. A Calgary office opened that year. It became involved with Farries Engineering (1977) Ltd. and specialized in evaluations of petroleum projects, Conservation Board applications, special projects such as waterfloods and other enhanced oil recovery projects and computer simulation.

SUBSIDIARY INFORMATION: Farries Engineering (1977) Ltd.

ALPINE ENGINEERING LTD.

Maurice J. Walsh, President

HEAD OFFICE:
47 Sun Valley Drive S.E.
Calgary, Alberta T2X 2B4
(403) 256-2993

DESCRIPTION: The firm was incorporated in 1978 and began operations in 1979. Our services are all survey related. During the construction season we do survey, design and construction supervision of rural roads and highways. In the winter months we do seismic surveying.

ALTEK MATERIALS ENGINEERING LTD.

J.S. Mitchell, Consulting Engineer
R.G.S. Avery, Supervisor
S. Lungin

HEAD OFFICE:
9415 - 51st Avenue
Edmonton, Alberta T6E 4W
(403) 438-3779

DESCRIPTION: The firm was incorporated in Alberta in 1985 as Firth Metallurgical Engineering (Edmonton) Ltd., and the name was changed in September 1986 with a change in ownership. Consulting engineering services include materials selection and verification, failure analysis, welding engineering, corrosion investigations, and the development of quality assurance programs. The company is a certified inspection organization and offers the inspection of structural steel, crane inspection and certification, and source surveillance services. In addition, the firm has a fully equipped machine shop and mechanical test laboratory, and is capable of providing custom or standard industrial testing of metals, ceramics and plastics.

SPECIAL SERVICES: Metallurgical consulting, acoustic emission monitoring.

ALTEL DATA - A DIVISION OF AGT

Bob Mabood, General Manager
John Crabb, Director Marketing
Ken Morris, Director - Sales & Service South
Fred Davies - Director - Sales & Service North
Spence Noble, Director Financial Analysis

HEAD OFFICE:
6204 - 3rd Street S.E.
Calgary, Alberta T2H 1K4
(403) 259-7000

AGT Business Systems, the primary business marketing division of AGT was formed through reorganization in May 1986 by the amalgamation of the previously separate competitive entities of Business Communications, Altel Data, and Mobile Radio. These entities had been separately in existence within AGT for many years. The new division is responsible for the engineering and marketing of a wide range of telecommunications networks, network services, and terminal products to Alberta based business. National accounts are served through AGT's membership in Telecom Canada. Sales offices are located in cities and major towns throughout Alberta. Included are voice, data, and video applications. Networks are based on terrestrial, satellite, mobile microwave radio, and optical transmission technology. Both public switched and private network systems are available. Voice network services provided are business telephone direct dial and private line. Associated terminal equipment ranges from full featured telephones to PABX's with integrated voice and data features. Data network services are Dataroute, Datapac, Envoy 100, Inet, and private line incorporating terminal devices such as modems, multiplexers, video display terminals and computers. Mobile radio networks include Aurora and private systems with associated terminal equipment Conference TV and private video links are also available.

AL-TERRA ENGINEERING LTD.

Leo J. Broks, President
Corry G. Broks, Vice-President
Vivian Broks, Secretary

HEAD OFFICE:
7711 - 16th Street
Edmonton, Alberta T6P 1M1
(403) 440-4411

DESCRIPTION: Incorporated in December of 1976 in Edmonton. Offers broad range of engineering service, related to municipal improvement projects and raw land development, including feasibility studies, detailed design, tendering, construction survey, site engineering supervision and contract administration. Where required sub-consultants are engaged for planning, legal survey, soils, structural, mechanical and electrical works. Types of land development for which engineering services are offered include residential, industrial and commercial site development. Municipal projects include sanitary sewer, water and storm drainage systems as well as street improvements and major urban roadways. The firm is approved by Alberta Transportation for urban arterials funded by the Provincial Government.

ALTIME ENGINEERING LTD.

S. Ron Andriuk, P.Eng., President
Robert Andriuk, P.Eng., Secretary

HEAD OFFICE:
200 Campbell Centre
Carnegie Drive
St. Alberta, Alberta T8N 3K4
(403) 459-8963

DESCRIPTION: Altime Engineering Ltd. became active in April of 1984. Consulting services offered are specialized in the municipal and structural disciplines of engineering. In the municipal field, the firm offers a wide range of services which include all aspects of water, sewer and subdivision work. Structurally, the services deal with commerical structures, foundations, bridges, restoration of historic structures, reports and investigations.

AMERIGO TECHNOLOGY LIMITED

Clifford James, President
Frank W. King, P.Eng., Chairman
Julian M. Romocki, V.P. Technology
Wayne T. Black, V.P. Administration
Greig J. Clark, Special Projects Manager

HEAD OFFICE:
#7, 3401 - 19th Street N.E.
Calgary, Alberta T2E 6S8
(403) 291-3212 TLX/TWX
03-827594

DESCRIPTION: Amerigo Research and Development Ltd., a division of Amerigo Technology Ltd. is an independent Canadian company serving the natural resource industries with creative chemistry and technical services. The company was formed in 1982 in Calgary, Alberta. Amerigo is engaged in the business of creating, developing and applying chemicals for the economical recovery of crude oil and natural gas. Over the past five years the Company has developed excellent new technology in the fields of drilling and completions, production stimulation, enhanced oil recovery, brine spill soil treatment. Amerigo has sales offices, technical service laboratories and manufacturing plants in Calgary, Alberta and Houston, Texas. It has a sales office in Aberdeen, Scotland. As our experience has grown so has our determination to provide industry with new and more practical means of recovering petroleum. We believe that the use of better technology is a key ingredient in the investment strategy of most progressive natural resource companies.

SPECIAL SERVICES: Contract research for oil companies and government/international agencies in the areas of enhanced oil recovery technologies.

OTHER FOREIGN OFFICES: Houston, Texas, U.S.A.

AMH RESOURCE MANAGEMENT LTD.

Robin C. Mann, P. Geol., Vice President, Development Geology
Roger W. Hume, P. Geol., Vice President, Exploration Geology
Allan K. Ashton, P. Eng., Vice President, Engineering
John G.F. McLeod, P. Eng., President

HEAD OFFICE:
602, 840 - 6th Avenue S.W.
Calgary, Alberta T2P 3E5
(403) 262-5250

DESCRIPTION: The firm was formed in Spring, 1986 as a joint venture between the principals of Hume, Man & Associates Ltd., a geologic consulting company and two petroleum engineering companies; Ashton Petroleum Consultants Ltd. and McLeod Petroleum Consulting Ltd. The firm specializes in providing complete oil and gas property management services to the industry. The services available range from complete company portfolios to individual well problems. The company is available for both domestic and international projects.

SPECIAL SERVICES: Particular emphasis is to be placed on ongoing engineering and geological operations.

SUBSIDIARY INFORMATION: McLEOD PETROLEUM CONSULTING LTD., 265, 839 - 5th Avenue S.W., Calgary, Alberta T2T 0Z6, Petroleum Engineering; ASHTON PETROLEUM CONSULTANTS LTD., 83 Massey Place S.W., Calgary, Alberta T2V 2G7, Petroleum Engineering; HUME, MANN & ASSOCIATES LTD., 602, 840 - 6th Avenue S.W., Calgary, Alberta T2P 3E5, Petroleum Geology.

ANDERSON ASSOCIATES CONSULTING ENGINEERS INC.

Clifford J. Anderson, President
William C. Bristow, Partner
William H Bear, Partner

HEAD OFFICE:
4270 - 91 A Street
Edmonton, Alberta T6E 5V2
(403) 461-7613

DESCRIPTION: The firm was established in 1977 with the original principals bringing more than a decade of consulting experience from a predecessor company. The special expertise of all the professional staff has enhanced the company's ability to complete multidisciplinary projects. A recent move to new facilities has provided ample room for a metallographic lab, electronic lab, photographic studio as well as shop and testing areas. Anderson Associates has been retained by manufacturers, oil and gas exploration and production firms, utilities and petrochemical companies to provide basic research and development services, to test products for compliance to codes, to design specific processes, tools and equipment and to provide instrumentation and control packages.

SPECIAL SERVICES: Special expertise exists in the fields of experimental stress analysis, development of instrumentation and data acquisition systems, specialized machine design, materials selection and modification, failure analysis and corrosion.

ANDERSON ENGINEERING LTD.

Anders Roald Anderson, President
Eleanor Irma Anderson, Secretary

HEAD OFFICE:
424 Lessard Drive
Edmonton, Alberta T6M 1A7
(403) 487-1109

DESCRIPTION: Anderson Engineering Ltd., headquartered in Edmonton, Alberta, was incorporated on May 20, 1969 by Anders Anderson, P. Eng. Services: engineering consultive advisory services in data collection, data analysis, data interpretation, data evaluation and assessment; electrical engineering consulting and design services for : electrical systems in commercial and institutional buildings, in industrial complexes; manufacturing process control system design; electric power generation and distribution systems, problematic investigatory and resolution service; electrical systems installation inspection; electrical and mechanical systems commissioning; maintenance engineering; energy conservation engineering; electric energy rate structure studies; electric power distribution network evaluation. Computer technology.

SPECIAL SERVICES: Commission maintenance program.

SUBSIDIARY INFORMATION: T.M.S. Systems Commissioning Ltd., 15023 - 118th Avenue, Box 3496 Station D, Edmonton, Alberta T5L 4J3.

ANGUS BUTLER ENGINEERING (1980) LTD.

D.N. Thorogood, President
P.M. Butler, Director
P.M. Thorogood, Director

HEAD OFFICE:
9920 - 45 Avenue
Edmonton, Alberta T6E 5J1
(403) 438-2856

DESCRIPTION: The company was established in 1950 as a branch office of Messrs. H.H. Angus & Associates, Toronto. It was incorporated in 1951 as an Alberta company - Angus, Butler & Associates Ltd. It was re-organized in 1980 as Angus Butler Engineering (1980) Ltd. The company offers complete mechanical and electrical design and supervision services, as sub-consultants, to governments, municipalities, owners, architects and other engineers. ABEL also accepts prime consulting commissions when the mechanical and electrical disciplines are major, e.g. boiler plants, industrial plants, food processing plants, and retrofit programs. Mechanical engineering services include heating, ventilation, air conditioning, refrigeration, fire protection, steam and chilled water distribution systems, plumbing and waste disposal. Electrical engineering services include lighting, power distribution, communications, electrical back-up for computer services, standby power, security systems, fire and smoke alarms, central control and monitoring systems.

SPECIAL SERVICES: Special services offered include environmental impact, feasibility and energy conservation studies complete with computer programs, commissioning, procurement and operating manuals.

AOE CONSULTANTS LTD.

David G. Stenning, President
Dr. Edward Thompson, Vice President

HEAD OFFICE:
1500, 300 - 5th Avenue S.W.
Calgary, Alberta T2P 3L4
(403) 263-3938 TLX/TWX 03 822051

DESCRIPTION: AOE Consultants Ltd. was formed in 1985 by the partners of its predecessor firm (Arctic Offshore Engineering Ltd.) and Bumper Development Corporation. Bumper Development Corporation is a private, Alberta company with a 25 year operating history in Alberta. Its operations include oil and gas, engineering, real estate, restaurants and hotels. Bumper brings to AOE the financial, administrative and clerical resources to enable us to provide complete engineering services to our clients. In 1986 AOE formed an association with Taylor Woodrow, a major UK engineering and contracting company (annual sales of over 1.5 billion dollars). Through our in-house expertise and our association with Taylor Woodrow we are able to undertake projects of all sizes. AOE has specific and unique experience in frontier offshore projects and offers civil engineering services in the following areas: Project Services: planning, scheduling, monitoring & control, construction supervision, dredging, ice and wave mechanics, platform installation procedures, marine operations in sea ice conditions, design of offshore and coastal structures, risk analysis.

SPECIAL SERVICES: Our senior engineering staff have significant 'hands on' experience on real offshore projects in the Canadian and US Beaufort Sea as well as the North Sea. We can provide engineering solutions which are both technically correct and practical to implement.

OTHER FOREIGN OFFICES: London, England (Associate Company)

SUBSIDIARY INFORMATION: Bumper Development Corporation, 1501, 300 - 5th Avenue S.W., Calgary, Alberta T2P 3C4, oil & gas, real estate, restaurants, hotels.

AFFILIATES: Taylor Woodrow PLC, Taywood House, 345 Ruislip Road, Southall, Middlesex, England, UB1 2QX.

APEM ENGINEERING LTD.

S.K. Mehta, Director
E.G. Mehta, Director

HEAD OFFICE:
209 Guardian Building
10240 - 124 Street
Edmonton, Alberta T5N 3W6
(403) 488-6259

DESCRIPTION: APEM Engineering Ltd. provides consulting engineering services to both the government and private sectors. The firm offers engineering services for a wide variety of projects including industrial, commercial, municipal, recreational, institutional, residential, transportation and agricultural facilities. Comprehensive structural and civil engineering services are provided and encompass buildings, plants, bridges, reservoirs, guyed and free standing towers, preserved wood foundations, roads, water supply, drainage, hydraulic structures and irrigation. Engineering services offered include feasibility studies, designs, specifications, preparation of contract documents, construction inspections and surveys, structural investigations and project management.

APEX ENERGY CONSULTANTS INC.

Michael Kamis, President
K. Kamis, Secretary

HEAD OFFICE:
615, 999 - 8th Street S.W.
Calgary, Alberta T2R 1J5
(403) 244-4220

DESCRIPTION: The firm was formed and incorporated in 1985. It offers applied petroleum engineering services. These services include: production operations optimization, resource reserve evaluation, resource economic evaluation, drilling, completion, pipeline, facilities project management (engineering and planning functions only), instruction courses provided upon request.

APPLIED ENGINEERING SCIENCES GROUP

A.W. Hunka, President
A.H. Wilson, Vice President Engineering
G. Stewart, V.P. Administration

HEAD OFFICE:
1718 - 34th Street S.E.
Calgary, Alberta T2A 1A3
(403) 248-1100

DESCRIPTION: Applied Engineering Sciences Group Ltd. was formed in 1978 in Calgary from its predecessor, A.W. Hunka and Associates, which specialized in instrumentation and electrical services. The company has since then provided a full range of engineering and consulting services for the engineering, procurement and project management of primarily oil and gas production and processing related projects. Operational troubleshooting services are also provided by the experienced staff. The computer division provides full computer assisted drafted services and a project management system-both of which are available to clients as well as being utilized in-house.

SPECIAL SERVICES: A PC-based computerized project management system is utilized in-house for all engineered projects and is also available, complete with training and startup assistance, to any client wishing to tighten control over work assignments, costs and schedules. Full CAD drafting services are also available through PC computers for cost effectiveness.

OTHER FOREIGN OFFICES: Denver, Colorado (U.S.A.)

SUBSIDIARY INFORMATION: Altec Equipment Sales at the same address. Altec owns, distributes and/or leases the computerized systems which have been engineered and produced at Applied Engineering Sciences Group Ltd.

AFFILIATES: Applied Engineering Sciences Group Ltd. - U.S.A. Ltd., A.W. Hunka & Associates, Altec Equipment.

ARROW PETROLEUM ENGINEERING LTD.

G.E. Perry, P.Eng., President
G.A. Perry, Vice-President
B.L. McDonald, P.Eng., Secretary-Treasurer

HEAD OFFICE:
71 Hawksbrow Drive N.W.
Calgary, Alberta T3G 2H4
(403) 239-8130

DESCRIPTION: The company was incorporated in Alberta in 1978. The head office is located in Calgary. Complete range of petroleum engineering from reservoir evaluation and economics to drilling and well completions. Company provides on-going production operations management for oil and gas properties. The Company develops and maintains petroleum engineering computer programs for small to medium size oil companies who need in-house capabilities.

SPECIAL SERVICES: Professional petroleum engineers registered for practice in Alberta and British Columbia. Complete project management and cost control for drilling and completion work. Company provides complete gas well flow test analysis and reporting.

ARVEC CONSULTING LTD.

Richard V. Cass, President
Bernice G. Cass, Secretary-Treasurer

HEAD OFFICE:
119 Gainsborough Drive S.W.
Calgary, Alberta T3E 4W6
(403) 249-2850

ALBERTA OFFICES:
300, 1035 - 7th Avenue S.W.
Calgary, Alberta T2P 3E9

DESCRIPTION: The firm was formed in 1981. It was incorporated in July of 1981 with an office in Calgary. Services offered included the planning and supervision of seismic field work, supervision of data processing, and interpretation of seismic data.

ARVIDSON ENGINEERING INC.

Wayne D. Arvidson, President

HEAD OFFICE:
140 Oakfield Place S.W.
Calgary, Alberta T2V 0J2
(403) 251-5654

DESCRIPTION: The firm originated in 1981 in Calgary. Broad range of services include providing geotechnical engineering and testing services for all types of civil engineering projects including: commercial and industrial buildings; railroads, roadways, bridges and overpasses; earthworks, dams, dykes, lagoons; permafrost engineering; coal mining, slope stability analysis, pipeline work, field instrumentation, land development, construction control.

ASHTON PETROLEUM CONSULTANTS LTD.

A.K. Ashton, President
P.E. Ashton, Vice President

HEAD OFFICE:
83 Massey Place S.W.
Calgary, Alberta T2V 2G7
(403) 258-3030

DESCRIPTION: Ashton Petroleum Consultants Ltd. is proud to provide a wide range of engineering and management services to the petroleum industry. The Company was established March, 1985 with the primary objective of providing high quality, cost effective services to our clients. The President, a Professional Engineer with a Bachelor of Science degree in Petroleum Engineering, has a background of 20 years in engineering, operations and management in the oil and gas industry. This includes 5 years as manager of reservoir engineering and 5 years as engineering and operations superintendent for a major oil and gas company.

*RESERVOIR ENGINEERING
  -Reserves Determinations and Depletion Forecasts
  -Single Well Analysis
  -Detailed Pool Studies Utilizing Simulation Models, if Necessary
*ECONOMIC EVALUATIONS
  -Formal Corporate Appraisals
  -Project Economics
  -Acquisition Appraisals
PRODUCTION ENGINEERING AND FACILITY DESIGN
  -Single Well Problem Analysis
  -Pipeline and Facility Design
*GOVERNMENTAL APPLICATIONS AND SUBMISSIONS
  -Provincial Regulatory Bodies
  -National Energy Board

AFFILIATES: AMH Resource Management Ltd., Suite 602, 840 - 6th Avenue S.W., Calgary, Alberta, T2P 3E5, (403) 262-5250. The primary objective of the company is to deliver complete operating, geological and engineering services in an efficient, cost effective manner to clients whose interests in the petroleum industry do not require a large permanent staff.

ASPEN ENGINEERING LTD.

Dave Bell, President
Robert Coleman, Secretary

HEAD OFFICE:
200, 11821 - 123 Street
Edmonton, Alberta T5L 0G7
(403) 453-3511

DESCRIPTION: The company established its head office in Edmonton in 1979. Electrical engineering services cover all aspects of: industrial power systems and equipment, process instrumentation and controls, building services and equipment. Structural and mechanical engineering is provided for electrical equipment and installation. Specific services include: studies and investigations, conceptual design, project definition and planning, cost estimating, preliminary and detailed design, specification, selection of vendors and contractors, contract administration, field engineering during construction, inspection and commissisoning of installations, training and technical support for client staff. These services are provided either individually or as parts of a total engineered project. The company's technical staff have extensive and varied experience not only in project design but in hands-on: installation, operation, maintenance and trouble shooting. Major projects are representative of Western Canada's: heavy and light industry, institutional and commercial buildings. Typical client groups include: petroleum refining, petrochemicals, oil and gas pipelines, hospitals, universities, architects, mining, government departments (provincial, municipal, federal). Specialized services have been developed in: electrical systems analysis, utility rates, power generation, variable speed drives, supervisory control, project management of process control systems.

ASSOCIATED CORROSION CONSULTANTS LTD.

W.B. Holtsbaum, P. Eng, President
J.F. Chmilar, P.Eng., Vice President

HEAD OFFICE:
2220 - 39th Avenue N.E.
Calgary, Alberta T2E 6P7
(403) 250-9041

DESCRIPTION: Associated Corrosion Consultants Ltd. was founded in 1963 with headquarters in Calgary, Alberta. It has provided consulting engineering services in corrosion and its control independent of material supply or contracting since that time.

SPECIAL SERVICES: Specialized services in the design commissioning and troubleshooting of cathodic protection systems are offered.

SUBSIDIARY INFORMATION: Professional Engineering & Management Ltd. (Gas Leak Surveys).

ASSOCIATED ENGINEERING ALBERTA LTD.

J.R. O'Brien, Chairman of the Board
S.E. Lawrence, President & CEO
D.W. Ferrier, VP & General Manager, Alberta North
P.M. Funston, VP & General Manager, Alberta South
A.P. Livingston, VP Engineering Services
D.R. Ferrier, VP Marketing

HEAD OFFICE:
13220 St. Albert Trail
Edmonton, Alberta T5L 4W1
(403) 451-7666 TLX/TWX
037-2333

ALBERTA OFFICES:
6th Floor, 926 - 5th Avenue S.W.
Calgary, Alberta T2P 0N7
(403) 262-4500

312, 400 - 4th Avenue South
Lethbridge, Alberta T1Y 4E1

204, 4711 - 51st Avenue
Red Deer, Alberta T4N 6H8

DESCRIPTION: Associated Engineering Alberta Ltd. was formed in 1984 as a subsidiary of Associated Engineering Group Ltd. Consulting services are offered to municipalities, governments and private industry in the fields of urban development, water supply, water resources, waste treatment and disposal, transportation and industrial site development.

SPECIAL SERVICES: International consulting services are offered by our associated company Associated Engineering International Ltd. in Africa and the Middle East. Services in the coal and mining industry are offered through Associated Mining Consultants Ltd. Special northern and Arctic services are offered through our Yellowknife operation.

OTHER CANADIAN OFFICES: Yellowknife, NWT

OTHER FOREIGN OFFICES: Associated Engineering International Ltd. Ethiopia & Egypt.

AFFILIATES: Associated Engineering (B.C.) Ltd. - Burnaby, B.C.; Associated Engineering (Sask.) Ltd. - Regina, Saskatchewan; Associated Engineering (Ont.) Ltd. - Toronto, Ontario; Associated Mining Consultants Ltd. - Calgary, Alberta. Services to the coal and mining industry; Brybil Projects Ltd. - Edmonton, Alberta - project management services; Software Support Ltd. - Regina, Sask. - computer software design.

ASSOCIATED MINING CONSULTANTS LTD.

M.J. Barber, Chairman
P. Funston, Director
J.R. O'Brien, Director
R. Yates, Director
A.L. Craven, Manager

HEAD OFFICE:
926 - 5th Avenue S.W.
Calgary, Alberta T2P 0N7
(403) 264-9496 TLX/TWX 038 21201

DESCRIPTION: AMCL was formed in 1976 as a joint venture between Associated Engineering Services Ltd. and British Mining Consultants Limited. The purpose of the company is to provide consulting services to the Canadian mining industry both in Canada and offshore using in-house expertise. When special services are required, the expertise of British coal is available through British Mining Consultants. General areas of consulting are: exploration, geology, strata control, prospect evaluations, coal quality, coal preparation, feasibility studies, underground mining and surface mining. Specific areas of expertise are not only directed at the coal industry but also in industrial minerals and metals mining.

SPECIAL SERVICES: Associated Mining Consultants Ltd. is the authorized source of British coal expertise in Canada. AMCL can access information on mining practice and mining related research and development carried out by the various British coal controlled development groups.

AFFILIATES: Parent Companies: British Mining Consultants Limited, Huthwaite, P.O. Box 18, Mill Lane, Huthwaite, Sutton-in-Ashfield, Notts. NG 172 NS - Mining Consulting Services. Associated Engineering Group Ltd., 13140 St. Albert Trail, P.O. Box 2423, Edmonton, Alberta, T5J 2V8 - Municipal Engineering Services.

BABOWAL BUILDERS & ENGINEERS LTD.

Walter Babowal, President
Mary Babowal, Secretary-Treasurer

HEAD OFFICE:
108, 208 - 57th Avenue S.W.
Calgary, Alberta T2H 2K8
(403) 252-2999

DESCRIPTION: The firm was incorporated in 1981 and has one office located in Calgary. Principal objectives are land assembly, obtaining all permits, providing architectural and engineering drawings, finding investors and then constructing multi-family residential projects. The aim is to provide a one stop service for investors in apartment, condominium & townhouse projects. Secondary objective is to provide a limited consulting engineering service primarily in structural work. This is to serve clients of long standing with special problems (e.g. mobile homes construction camps, formwork, fabricators) who do not have in-house engineering capability. The principal of the firm has over 20 years experience in structural design and project management of a large variety of projects.

BACZ ENGINEERING LTD.

Ziggy N. Baczynski, P.Eng., President

HEAD OFFICE:
11822 - 126 Street
Edmonton, Alberta T5L 0V9
(403) 452-7667

DESCRIPTION: The firm was formed in 1979 in Edmonton. The company was incorporated in Alberta in 1980. Specialized services are offered in the design & operation of heating, ventilation, air conditioning, plumbing & fire protection for any type of buildings.

MAX BAHNSEN CONSULTING LTD. (EPEC CONSULTING GROUP)

Max V. Bahnsen, President
Dean Litke, P. Eng., Director
Royce Sather, C.E.T., Director
Harry S. Zuzak, P. Eng., Director

HEAD OFFICE:
908 Oxford Tower
Edmonton, Alberta T5J 3G1
(403) 425-2210

ALBERTA OFFICES:
EPEC Consulting Group
5101 - 48th Street
Lloydminster, Alberta T9V 0H9

DESCRIPTION: The firm operates offices in Lloydminster and Edmonton, Alberta as the successor to EPEC Consulting Western Ltd. Engineering services are offered to all levels of government, industry and developers. Our services include the design and inspection of storm drainage systems, sanitary sewerage collection and treatment systems, water supply, treatment and distribution systems, streets and highways, subdivisions and solid waste disposal. EPEC normally acts as prime consultant for the client co-ordinating the work of other consultants and contractors.

SPECIAL SERVICES: Economic analysis of municipal utility systems.

BALL WELDING & METALLURGICAL ENGINEERING LTD.

B. Ball, President

HEAD OFFICE:
#205, 17510 - 102 Avenue
Edmonton, Alberta T5S 1K2
(403) 483-0264 TLX/TWX
037-2966 EDM

DESCRIPTION: The firm was formed in 1982 in Edmonton to provide metallurgical and welding engineering services. The principal areas of expertise are in failure analysis/accident investigation, physical metallurgy, welding engineering, equipment inspection and repairs and certification; and refractory materials consulting.

OTHER CANADIAN OFFICES: Victoria, B.C.

BALLATER RESOURCES LTD.

T.C. Presber, President
J.E. Presber, Vice President

HEAD OFFICE:
350, 736 - 8th Avenue S.W.
Calgary, Alberta T2P 1H4
(403) 232-6772 TLX/TWX
03-821172 CGY

DESCRIPTION: Incorporated in 1985 in Calgary, Ballater Resources Ltd. provides broad petroleum management and engineering expertise. Specialized expertise is available for the management and operation of heavy oil efforts, economic evaluations of all oil and gas properties, facility design, property management and technology transfer (Artificial Lift).

AFFILIATES: Porteous Engineering Limited, 350, 736 - 8th Avenue S.W., Calgary, Alberta. Cementing, fracturing, completions, acidizing and technology transfer.

BANISTER PIPELINES A DIVISION OF BANISTER CONTINENTAL LTD.

R. MacTavish, President, Chief Operating Officer, Chief Financial Officer
R.K. Banister, Chairman & CEO
R.F.C. Marriott, Group V.P., Pipelines
H.B. Banister, Vice President, Planning, Equipment & Business Development
J.W. Wright, V.P., Admin. & Treasurer
F.A.M. Tremayne, Secretary & General Counsel

HEAD OFFICE:
9910 - 39 Avenue
P.O. Box 2408
Edmonton, Alberta T5J 2R4
(403) 462-9430 TLX/TWX
037-2380

ALBERTA OFFICES:
Bantrel Group, Engineers & Constructors
703 - 6th Avenue S.W.
P.O. Box 1990, Station M
Calgary, Alberta T2P 4C9

DESCRIPTION: Banister Continental Ltd., headquartered in Edmonton, Alberta, is a Canadian construction company specializing in large-scale energy development, subways, bridges, tunnels, highways, underground utilities, dams, gas distribution systems, cross-country pipelines, and marine work. During forty years of operations, projects have been completed in Canada, the United States, and the Middle East. Banister has approximately 200 permanent full-time employees. This figure does not include the 2,000 or more hourly employees hired for specific projects. The Corporation owns over 4,000 pieces of construction equipment, with total assets of approximately $100 million. Founded in 1948, Banister became a public corporation in 1969. Banister Continental Ltd. shares are traded on the Toronto, Montreal, Alberta, and American Stock Exchanges. In 1983 Banister joined with Trimac Limited, Bechtel Canada Limited, and Bond Architects & Engineers to form the Bantrel Group, Engineers and Constructors. Bantrel specializes in engineering, procurement, and construction services for oil sands upgrading plants, offshore production facilities, and other infrastructure associated with the petroleum sector in Canada.

SUBSIDIARY INFORMATION: Pitts Engineering Construction (heavy civil and marine construction), 9910 - 39th Avenue, Edmonton, Alberta T6E 5H8. Suite 300, 7500 Woodbine Avenue, Markham, Ontario L3R 4M8.

AFFILIATES: Bantrel Group, Engineers & Constructors (engineering, procurement, & construction), 703 - 6th Avenue S.W., P.O. Box 1990, Station M, Calgary, Alberta T2P 4C9. Nicholls Radtke Ltd., 150 Sheldon Drive, Cambridge, Ontario N3V 2V8.

BANNER ENGINEERING LTD.

David F. Rogers, P.Eng., President

HEAD OFFICE:
825, 808 - 4th Avenue S.W.
Calgary, Alberta T2P 3E8
(403) 266-1676

DESCRIPTION: Banner Engineering is a wholly Alberta owned and operated company established in 1982 to provide consulting engineering and field supervision services to resource companies. Services include drilling and completion of oil and gas wells, production operations, pipeline and facility installation, general petroleum engineering and project management. Services have been provided in Saskatchewan and British Columbia as well as Alberta.

SPECIAL SERVICES: Through the contract management of several Alberta Government incentive programs, special expertise has been developed in all aspects of petroleum related incentives. In addition to all normal government application, the firm is available for consultation or representation for all Alberta Government incentive programs.

SUBSIDIARY INFORMATION: D.F. Rogers Management Consultants, a division of Banner Engineering Ltd., specializing in Alberta Government incentives. Address as above.

BANTREL GROUP ENGINEERS LTD.

A. Vanden Brink, Director - Chairman
R.W. Harmer, Director
H.B. Banister, Director
T.T. Rose, Director
R.M. Medjuck, Director
R.C. Johnstone, Jr., Director
A.R. Campbell, Director - President & CEO
P.J. Lovell, Vice President

HEAD OFFICE:
703 - 6th Avenue S.W.
P.O. Box 1990, Station M
Calgary, Alberta T2P 4C9
(403) 290-5000 TLX/TWX
038-25633

ALBERTA OFFICES:
9910 - 39th Avenue
P.O. Box 2408
Edmonton, Alberta T5J 2R3

Trimac Limited
800 - 5th Avenue S.W.
Calgary, Alberta T2P 2P9

DESCRIPTION: Bantrel is majority Canadian owned. The principal objectives of Bantrel are: to provide Canadian engineering services to the petroleum resources industry for procurement, construction and project management; to use the established technology, knowledge, and systems bases of the shareholders; to develop and expand Bantrel Group by the transfer of knowledge and technology through on-the-job work, relationships and training. Bantrel is dedicated to developing special technology and methods for engineering and construction in frontier areas. Particular emphasis will be placed on offshore, oil sands and heavy oil technology. Bantrel Group's procurement policy is to maximize Canadian content for equipment, materials and services. The extensive national experience and resources of its member companies will be used to full effect in this area.

OTHER CANADIAN OFFICES: St. John's, Newfoundland; Halifax, Nova Scotia; Toronto, Ontario.

AFFILIATES: Bechtel Canada Engineers Ltd., 250 Bloor Street East, Toronto, Ontario M4W 3K5; Banister Continental Ltd., 9910 - 39th Avenue, Edmonton, Alberta T5J 2R3; Bond Architects & Engineers Limited, 53 Bond Street, St. John's, Newfoundland A1C H6C; Scotia Energy Resources, One Sackvill Place, Halifax, Nova Scotia B3J 2X1; Trimac Limited, 800 - 5th Avenue S.W., Calgary, Alberta T2P 2P9.

BAR ENGINEERING LTD.

D.W. Gilby, President
R.F. Wilhelm, Corporate Secretary

HEAD OFFICE:
5526 - 50th Avenue
Lloydminster, Alberta T9V 0Z2
(403) 875-1683

DESCRIPTION: The firm was formed in 1981 in Lloydminster, Alberta. The company was incorporated at that time. We provide consulting engineering and field supervision in heavy oil and shallow gas drilling, production and testing. Bar Engineering specializes in heavy oil production, exploration and treating. Special services: heavy oil production engineering, heavy oil facilities design, tertiary recovery project engineering, combustion efficiency engineering, supervision services.

SPECIAL SERVICES: Heavy oil specialists

SUBSIDIARY INFORMATION: SONA-DYNE SERVICES LTD., 5115-F-55th Avenue, Lloydminster, Alberta T9V OZ2 - dynamometer and fluid level recordings and calculations. SHIELD WIRELINE LTD., 5115-F-55th Avenue, Lloydminster, Alberta T9V OZ2 - complete bottom hole pressure and temperature surveys, tubing plugs, setting and pulling plugs and sliding sleeves, gas well testing, gas well calculations and interpretation.

BARAGAR GEOTEC ENGINEERING LTD.

Harold A. Baragar, President

HEAD OFFICE:
311 Wascana Road S.E.
Calgary, Alberta T2J 1H7
(403) 271-3295/271-0954

DESCRIPTION: The firm was formed, 1983. The company was incorporated, 1983. Offers a broad range of services in geotechnical & foundation engineering: shallow & deep spread foundations & piling; shoring & underpinning; deep excavations; groundwater; fluid impoundments; street/highway/railroad subgrades & embankments; general earthworks; slope stability; subsidence/ settlement studies; field investigations & testing.

BARNETT ENGINEERING LTD.

Brian T. Barnett, P. Eng., President

HEAD OFFICE:
215, 7710 - 5th Street S.E.
Calgary, Alberta T2H 2L9
(403) 255-9544

DESCRIPTION: Barnett Engineering Ltd. was incorporated in Alberta in 1977 and offers engineering services in the fields of communications and electronics. These services are divided into two major areas to provide support at both the system and the equipment levels. The first area is communications system engineering, where a complete range of services are offered in the fields of mobile radio (voice and data), point-to-point radio, remote control, alarm reporting, and SCADA. Activities include system design, cost and feasibility studies, propagation studies, performance specifications, equipment specifications, tender evaluation, start-up assistance, and systems and operations manuals. The second area is communications equipment engineering, with specialization in tone signalling, voice synthesis, control panels and custom assemblies. The firm provides equipment design, equipment manufacture, interfacing, system integration, and contract product development.

ROGER J. BARON ENGINEERS LTD.

Roger J. Baron, President
Janet M. Baron, Secretary-Treasurer

HEAD OFFICE:
202, 2212 Fourth Street S.W.
Calgary, Alberta T2S 1W9 (403)
228-3106

DESCRIPTION: Baron Engineers was formed in Edmonton in 1966, incorporated in 1971, and relocated to Calgary in 1971. The firm offers a broad range of design engineering services to the petroleum industry in the areas of plant and field facilities. These include oil and gas production-handling facilities, waterflood plants, compressor stations, flare and incinerator stacks, and pipelines. In addition to comprehensive mechanical design, the services provided include project management, project engineering, procurement (material, equipment, and contract services), specification writing, contract documents and request for proposal preparation, regulatory agency approvals, feasibility studies, process design of field facilities, field engineering/site construction supervision, pipeline inspection/operations execution, start-up/operations manuals, and site commissioning. Significant design involvement has included facilities for sour, carbon dioxide, and other corrosive services. Assistance is also provided on a contract basis to other engineering/construction firms in the capacities of project engineering, technical specialist function, process and mechanical flow sheet development (including shutdown logic), and mechanical and civil cost estimating. In addition, design services to secondary industry consisting of machine design, pressure vessels, tanks, and miscellaneous equipment and skidded component design are provided. Extensive use of in-house computer facilities is being made in project design.

P.E. BARTLETT & ASSOCIATES LTD.

Peter E. Bartlett, P. Eng., Principal

HEAD OFFICE:
102, 1200 - 103 Avenue
Dawson Creek, British Columbia
V1G 2G9
(604) 782-1883

DESCRIPTION: P.E. Bartlett & Associates Ltd. is a diversified consulting engineering firm currently providing structural, geotechnical, civil, materials testing, and construction inspection services. The company's area of operation includes Northern British Columbia, Northwest Alberta, Yukon, and Northwest Territories. Head office and the geotechnical/materials testing laboratory are located in Dawson Creek, B.C.

BARTON-ASCHMAN ASSOCIATES LIMITED

Edward J. Levy, President
Robert W. McBride, Vice President
Ralph F. Bond, Principal Associate
Christopher B. Middlebro, Principal Associate
Nicholas Finn, Principal Associate

HEAD OFFICE:
604 - 111 Avenue Road
Toronto, Ontario M5R 3J3
(416) 961-7110

ALBERTA OFFICES:
204, 1211 - 14 Street S.W.
Calgary, Alberta T3C 1C4
(403) 245-0211

DESCRIPTION: Barton-Aschman Associates Limited was incorporated in Toronto in 1974. A Calgary office was established in 1978. One of the few Canadian consulting companies specializing in transportation systems planning. The firm offers services to private and public sector real estate developers, and municipal and provincial governments concerned with orderly and efficient development of roadway and public transit systems. The firm provides services in: traffic engineering and functional design, traffic operation, traffic impact assessment, parking facilities needs, design and operation, and public transit facilities planning and design, trucking facility planning and disign, noise impact assessment, and pedestrian/bicycle facility planning.

PETER BAWDEN DRILLING LTD.

Peter C. Bawden, Chairman of the Board
Richard K. Irvine, President
L.P. Heidt, Senior VP Operation
M.J. Conroy, General Manager

HEAD OFFICE:
2900, 300 - 5th Avenue S.W.
Calgary, Alberta T2P 3C4
265-1511 TLX/TWX 038-22694

ALBERTA OFFICES:
902 - 20th Avenue
P.O. Box 5900, Edmonton, Alta.
Nisku, Alberta T6C 4G5

DESCRIPTION: Peter Bawden Drilling Ltd. was founded in 1952 and is a 100% Canadian owned and controlled company, operating some 50 drilling rigs worldwide. Engineering, procurement and construction services are offered relating to specialty built drilling rigs for both land and offshore use. Additionally, the company is in the process of developing a geothermal wellhead generator system, utilizing a steam drive to produce electricity.

OTHER FOREIGN OFFICES: Singapore; Aberdeen, Scotland; Houston, Texas; Kuola, Hamilton; Antannanrivo, Madagascar; Nairobi, Kenya

SUBSIDIARY INFORMATION: Mosswood Oil and Gas Ltd. - hydrocarbon exploitation. Business Flights Ltd. - contract air flights service.

L.R. BAXENDALE SEISMIC CONSULTANTS LTD.

L.R. Baxendale, President

HEAD OFFICE:
#701, 630 - 8 Avenue S.W.
Calgary, Alberta T2P 1G6
(403) 266-2666

DESCRIPTION: The company which began in 1969, was formed to specialize in geophysical consulting in foreign areas of the world. Services include supervising geophysical data acquisition and processing, and interpretation of geophysical data.

BAXTER & CARTER-EDWARDS ASSOCIATES LTD.

Steve Carter-Edwards, P.Eng., President
Blair L. Baxter, B.Sc., Secretary-Treasurer

HEAD OFFICE:
8, 2020 - 35th Avenue N.E.
Calgary, Alberta T2E 6W4
(403) 250-2623

ALBERTA OFFICES:
Lethbridge, Alberta

DESCRIPTION: The company was incorporated in Calgary in 1983. The firm offers a broad range of materials consulting and testing to the Alberta area. Specialized services include: aggregate and asphalt concrete analysis, asphalt and Portland cement concrete mix designs, asphalt cement analysis, new roof and spray-fireproofing field services, roof maintenance inspections, spray-fireproofing material testing, asphalt and Portland cement concrete pavement thickness design and structural design of earth retaining structures.

BEAIRSTO-STEWART-WEIR, ENGINEERING LIMITED

F.W. Beairsto, President
B.A. Beairsto, Secretary
T. Trydal, Director
J. Stewart, Director
C.H. Weir, Director

HEAD OFFICE:
10131 - 97th Avenue
Grand Prairie, Alberta T8V 0N5
(403) 532-4919

DESCRIPTION: Incorporated in 1985 to provide legal survey and municipal engineering services, primarily in the Peace River region of Alberta. Most of the engineering projects are in the area of drainage, road construction, water distribution and sewage systems.

AFFILIATES: Stewart Weir & Company, 11405 - 163rd Street, Edmonton, Alberta T5M 3Y3 - provide similar services on provincial/federal level (mostly land survey).

BEAK ASSOCIATES ENGINEERING LTD.

Peter L. Timpany, Principal
Consultant & General Manager

HEAD OFFICE:
250, 2635 - 37th Avenue N.E.
Calgary, Alberta T1Y 5V7
(403) 291-5080 TLX/TWX
03-821172 CGY

DESCRIPTION: Original formation of BEAK was in 1957, with expanded offices from Montreal to Vancouver, Calgary, Toronto in the 1970's and into the USA and other Canadian provinces in the late 1970's. The firm offers services specializing in waste water treatment, water treatment, environmental impact assessments for industries and municipalities in Canada, USA and internationally (over 40 countries).

OTHER CANADIAN OFFICES: Vancouver, BC; Toronto, Ontario; Saskatoon, Saskatchewan; Montreal, Quebec.

OTHER FOREIGN OFFICES: Portland, Oregon, USA; Seattle, Washington, USA; Buffalo, New York, USA

AFFILIATES: Stanley Associates Engineering Ltd, Edmonton, Alberta

BEARDEN ENGINEERING CONSULTANTS LTD.

Terrance W. Bearden, President
Steve Chow, Secretary-Treasurer

HEAD OFFICE:
#250 Riverside Office Plaza
Red Deer, Alberta T4N 6C9
(403) 343-6858

DESCRIPTION: The firm was formed in February 1978 in Red Deer. A broad range of services in architectural and structural engineering for all types of buildings and structures. The firm is licensed to practise engineering in Alberta, B.C., Saskatchewan and Manitoba.

SPECIAL SERVICES: Both partners are trained in structural engineering with the use of computers. Also both partners are licensed in a limited scope to practise architecture.

BECK ENGINEERING LTD.

James R. Beck, Principal

HEAD OFFICE:
4015 - 23th Street N.E.
Calgary, Alberta T2E 6E3
(403) 250-2357

DESCRIPTION: The company was incorporated in 1976 and offered structural design services for heavy industrial plants, primarily gas plants. Special expertise has been in the design of guyed steel stacks, and the tensioning of guy cables, rigging studies for heavy lifts (to 500 tons), and for shoring systems for excavations, and grouted anchors in soil and rock.

BECKER, ELZEIN & ASSOCIATES LTD.

Dr. Omar A. ElZein, P.Eng. President
Dr. Norbert K. Becker, P.Eng., Vice-President
Khader A. ElZein, P.Eng., Secretary

HEAD OFFICE:
17318 - 106 Avenue
Edmonton, Alberta T5S 1H9
(403) 483-0120 TLX/TWX
037-2879

DESCRIPTION: Becker, ElZein & Associates Ltd. is an Alberta-based and employee owned consulting engineering firm specializing in municipal, structural, electrical and mechanical engineering and building design. The firm was formed in 1982. In addition to these services, Becker, ElZein and Associates Ltd. provides marine structural and investigative engineering services to its many public and private clients.

SPECIAL SERVICES: Becker, ElZein and Associates Ltd. engineering offices specialize in technical investigations of accidents, fires, floods, and other disasters. These investigations establish probable cause, scope of loss, required repairs, extent of upgrading work, and costs. Becker Engineered Marine Structures involves the design of shorewalls, beach sills, breakwaters, docks, piers, flood protection works, based on the use of thin-walled, earth- filled, precast concrete components.

OTHER CANADIAN OFFICES: Windsor & Chatham, Ontario

OTHER FOREIGN OFFICES: Detroit, Michigan, U.S.A.

AFFILIATES: N.K. Becker & Associates Ltd., Windsor, Ontario. Becker, Sullo & Associates Ltd., Chatham, Ontario. N.K. Becker & Associates Ltd., Detroit, Michigan.

BEDDOES & DAY MATERIALS RESEARCH LTD.

Richard J. Beddoes, President
Robert L. Day, Secretary/Treasurer

HEAD OFFICE:
204 Deerview Drive S.E.
Calgary, Alberta T2J 6H2
(403) 278-6312

DESCRIPTION: Beddoes & Day Materials Research Ltd. was formed (in 1982) for the purpose of providing a specialist consulting service in the area of engineering materials. It is intended that the Company will restrict its activities to investigations which entail extensive analytical and experimental programmes of a complex or unusual nature. Specifically, this work includes concrete durability studies, microstructural studies of soil and rock, microanalysis of materials and material failure. Routine testing of concrete and geotechnical materials is carried out by a number of Calgary laboratories and it is not the company's intention to provide competitive services.

SPECIAL SERVICES: Concrete durability studies. Microstructural analysis of materials.

BEDIZ EXPLORATION CONSULTANTS LTD.

Peter I. Bediz, President

HEAD OFFICE:
#315, 608 - 7 Street S.W.
Calgary, Alberta T2P 1Z1
(403) 262-2828 TLX/TWX
038-26675

DESCRIPTION: The firm was formed in 1971 in Calgary and was incorporated in Alberta the same year. The company offers a broad range of services in exploration for oil, gas and minerals. World wide activity in geophysical and geological fields. Active experience in Canada, U.S.A., Turkey, Greenland, North Sea, Denmark and S.E. Asia. The firm specializes in planning and implementation of exploration programs. Geophysical studies and interpretation. Assessment of prospects and properties. Active in potash exploration in Saskatchewan. Brochure Available.

SPECIAL SERVICES: Considerable amount of experience and success in potash exploration in Saskatchewan.

BELLOY PETROLEUM CONSULTING LTD.

Robert K. Sullivan, President
Valerie R. Sullivan, Secretary-Treasurer
Marilyn I. Garden, Office Manager

HEAD OFFICE:
302, 630 - 8th Avenue S.W.
Calgary, Alberta T2P 1G6
(403) 237-8700

F.G. BERCHA AND ASSOCIATES (ALBERTA) LIMITED

F.G. Bercha, President
V.L. Shaw, Vice President
B.J. Griffin, Associate
T.G. Brown, Associate

HEAD OFFICE:
301, 1220 Kensington Road N.W.
Calgary, Alberta T2N 3P5
(403) 270-2221 TLX/TWX
03-827666

DESCRIPTION: The firm is a member of the Bercha Group begun in 1975 in Calgary with the formation of F.G. Bercha and Associates Limited. In 1980 an Ottawa office was opened, followed by an office in Houston in 1982, and one in Jakarta and St. John's in 1984. The company specializes in frontier engineering for arctic, tropical, and other severe regions, with expertise in special structures, risk analysis, ice mechanics, radar and laser surveying, and project management.

SPECIAL SERVICES: Ice mechanics, radar and laser mapping, and satellite data analysis.

OTHER CANADIAN OFFICES: Ottawa, Ontario

OTHER FOREIGN OFFICES: Jakarta, Indonesia

AFFILIATES: Bercha International Inc., Calgary, Alberta, radar and laser surveys; F.G. Bercha and Associates (Ontario) Limited, Ottawa, Ontario, satellite image analysis, Sar data processing; F.G. Bercha and Associates Inc., Houston, Texas, hydrodynamics, project management.

BERKOWITZ CONSULTING INC.

Dr. Norbert Berkowitz, President
Mrs. Sheila J. Berkowitz, Secretary-Treasurer

HEAD OFFICE:
6605 - 124th Street
Edmonton, Alberta T6H 3V4
(403) 434-2626

DESCRIPTION: The firm was founded in 1985 in Edmonton, and incorporated in Alberta in that year. It provides consulting services in the fields of coal transportation, utilization and conversion (to synthetic gases and synthetic oils); R & D related to coal and other 'heavy hydrocarbons' (such as oil sands and oil shales). Mathematical and statistical analyses (through collaboration with Pacific Datametrics Consultants (of Vancouver).

D.W. BERNARD GROUNDWATER CONSULTANTS LTD.

D.W. Bernard, Principal

HEAD OFFICE:
5 Baker Road
P.O. Box 1986
High River, Alberta
T0L 1B0

DESCRIPTION: D.W. Bernard Groundwater Consultants Ltd. has been involved in a variety of projects involving a wide range of groundwater problems. Studies typically fall into one of three categories, including: waste evaluation and disposal, groundwater water supply, and mining and geotechnical applications. Our clients have included governments and industry as well as joint ventures with other engineering consultants.

BETA PETROLEUM CONSULTANTS LTD.

Frank D. McEachern, President
Peter M. Athans, Vice President

HEAD OFFICE:
401, 1732 - 9A Street S.W.
Calgary, Alberta T2T 3E6
(403) 244-8664

DESCRIPTION: Firm founded in 1985 in Calgary. Services include reservoir engineering (oil and gas), economic analysis and oilfield production operations.

BEUKER ENGINEERING, LTD.

Gary H. Beuker, P. Eng., Principal Consultant

HEAD OFFICE:
145, 6815 - 8th Street N.E.
Digital Building
Calgary, Alberta T2E 7H7
(403) 295-0568

DESCRIPTION: Operating system conceptual designs, pumpstation design, plant electrical, instrumentation, P & I drawings, PLC logic design, telecommunication networks, computer control (Scada) analog control, digital circuits. Detail design drawings, technical specifications, project management, cost control. Exposure to NGL liquids pipelines, oil and gas gathering systems, NGL cavern storage, batching of petrochemicals, heavy oil and refined petroleum products, offshore drilling and marine applications, industrial plants.

SPECIAL SERVICES: Excellent capability in the transfer of technology pertaining to NGL pipeline operations and maintenance, particularly in reference to Scada Systems, instrumentation and control. Has provided in excess of 4000 hours of seminars, field training and education sessions to engineers, technicians and pipeline operators, covering hydraulics as well as physical plant.

BEVERIDGE ENGINEERING LTD.

S.B. Beveridge, President

HEAD OFFICE:
4184 Varsity Road N.W.
Calgary, Alberta T3B 2Y7
(403) 247-3650

DESCRIPTION: Beveridge Engineering Ltd. offers a broad range of engineering services to provide expertise to the petroleum industry. With a great deal of experience in the reservoir and pipeline simulation models, the company provides responsive service to clients, such services encompassing brief analyses, comprehensive appraisals and long term management contracts. The service is focused on the following areas: reservoir engineering, property evaluation, feasibility studies, property management, well test analysis, reservoir simulation, project financing consulting, enhanced recovery design, unitization, government representation, pipeline network design and optimization.

BHM PROJECTS LIMITED

Mr. M. Zia-Ul-Hauque, President
Mr. B.A. Arif, Secretary

HEAD OFFICE:
P.O. Box 9212
Postal Station F
Calgary, Alberta T2J 6X9
(403) 293-2721

DESCRIPTION: BHM Projects Limited is a young company incorporated in Alberta in June 1986. The fundamental objectives of the company are to undertake research and engineering projects in various fields. A broad range of services are available for chemical plants, refinery and oil sands related to process/ chemical engineering work. Services include from design to start up.

BIRD CONSTRUCTION COMPANY LIMITED

R.A. Bird, P. Eng., President & C.E.O.
W.B. Northcote, C.A., Executive Vice President
J.G. Tomchuk, Vice President Finance
E.F. Kananen, Vice President/Calgary Area Man.
P. Reinhardt, Vice President/ Winnipeg Area Man.
R.E. Turchinetz, Vice President/ Toronto Area Man.
T.C. Morgan, P. Eng., Corporate Chief Engineer

HEAD OFFICE:
302 The East Mall
Suite 501
Islington, Ontario M9B 6C7
(416) 236-2601

ALBERTA OFFICES:
6712 Fisher Street S.E.
Suite 170
Calgary, Alberta T2H 2A7
(403) 252-6643

16815 - 117 Avenue
2nd Floor
Edmonton, Alberta T5M 3V6

Bird Building Supplies
113 - 13the Street North
Lethbridge, Alberta T1H 2R5

DESCRIPTION: Bird Construction Company Limited was incorporated in Saskatchewan in 1931, the principal having been in business under the name of Bird, Woodall & Simpson for some 10 years previously. Through the 1930's offices were maintained in Moose Jaw and Regina and laterly expanded into Winnipeg. During this period construction work was carried throughout the prairie provinces. In response to opportunities in Alberta an office was opened in Lethbridge in the 1940's followed a few years later by an office in Calgary. An Edmonton office was opened in 1950. In the 1960's Bird expanded to Vancouver and Toronto. Bird is a public company and undertakes construction projects in the commercial, institutional and industrial aspects of the market and are active in general contracting, construction management and civil engineering construction. Annual volume ranges to $100 million. Work undertaken has been restricted to Canada specifically in the provinces indicated above with occasional ventures in the Yukon, Northwest Territories and New Brunswick.

SPECIAL SERVICES: Construction management/project management, general contractor, design/build contractor, design of formwork, falsework for concrete structures, design of temporary structures for construction.

OTHER CANADIAN OFFICES: Winnipeg, Manitoba; Regina, Saskatchewan; Toronto, Ontario.

SUBSIDIARY INFORMATION: OMSAC Development Limited - in the non-union sector.

BISSETT RESOURCE CONSULTANTS LTD.

K.R. (Dick) Bissett, President
R.G. (Rod) Munro, Vice-President
T.W. (Todd) Wilson, Vice-President
C.A. (Chris) Bissett, Secretary-Treasurer

HEAD OFFICE:
Suite 540, Atrium II
840 - 6th Avenue S.W.
Calgary, Alberta T2P 3E5
(403) 294-1888

DESCRIPTION: The Company was incorporated in Alberta during 1984. Serves the petroleum and natural gas industry. Calgary based, Canadian Petroleum Engineering firm, offers a variety of consulting services throughout North America and the world. The Company is actively engaged in engineering project management, full engineering, procurement and construct (EPC), reservoir analysis, economic evaluation, feasibility studies, emergency response and safety contingency planning of hydrogen sulphide projects, well control and blowout prevention training, safety management, geological and field supervision of construction, drilling, completions, workovers, production operations and facility installation. The firm specializes in project management.

SUBSIDIARY INFORMATION: BRC Computer Services Ltd. (subsidiary located with the parent company). Specializes in software development of microcomputer software programs and training seminars for the oil and gas industry. Software addresses the petroleum engineering and operational aspect of the industry.

BLACK ENGINEERING LTD.

Donald S. Black, President
Mabel L. Black, Secretary

HEAD OFFICE:
208, 12907 - 97th Street
Edmonton, Alberta T5E 4C2
(403) 476-1206

DESCRIPTION: The firm was formed in 1975, in Edmonton. It offers general petroleum engineering services, including natural gas production engineering. Services include well-site supervision and production equipment specification. Firm has done research and development work. Well testing programs and well test analysis services are offered.

JOHN BLAIN ENGINEERING LTD.

H. John Blain, President

HEAD OFFICE:
#1101, 500 - 4th Avenue S.W.
Calgary, Alberta T2P 2V6
(403) 264-5890

DESCRIPTION: The firm was incorporated in May, 1976 to provide reservoir engineering and economic evaluations of future oil and gas production. Engineering and economic evaluations used primarily for financing through the issue of public stock on various Canadian stock exchanges.

BOHDAN CONSULTING LTD.

Tony Bohdan, President
Sharon Bohdan, Secretary

HEAD OFFICE:
2827 - 10th Avenue S.E.
Calgary, Alberta T2A 0C6
(403) 273-7144

DESCRIPTION: The firm was formed in Calgary in 1974 and incorporated in Alberta in 1974. Services cover wellsite supervision with regard to drilling and geology.

BOHNERT ENGINEERING SERVICES LIMITED

Norbert H. Bohnert, P. Eng., President
Lorenz H. Bohnert, Vice President
Pauline Bohnert, Secretary

HEAD OFFICE:
P.O. Box 785 Lethbridge, Alberta T1J 3Z6
(403) 381-6699

BOLSTAD ENGINEERING ASSOCIATES LTD.

Eugene H. Bolstad, President

HEAD OFFICE:
9249 - 48 Street
Edmonton, Alberta T6B 2R9
(403) 465-5317

DESCRIPTION: The firm was formed in 1965 as Cheriton Bolstad Engineering Consultants Ltd. and changed in 1971 to its present title. The firm specializes in mechanical engineering (HVAC) and acoustics and noise control.

BOLTER PARISH TRIMBLE LTD.

R.E. Bolter, Principal
R.P. Parish, Principal
D.A. Heaton, Principal

HEAD OFFICE:
#201, 17220 Stony Plain Road
Edmonton, Alberta T5S 1K6
(403) 489-7761

DESCRIPTION: Bolter Parish Trimble Ltd., Consulting Engineers was founded in 1966 to engage in a consulting practice in civil engineering. An Alberta company with head office located in Edmonton, the firm has served clients throughout Western Canada. Services include bridge and overpass planning, design, location and hydrological assessment. The recent introduction of the Light Rail Transit System to the City of Edmonton has resulted in the development of expertise in the organization, in planning, trackwork and major station design for such rail transportation. The design of major culvert installations, some of maximum size, with innovative solutions to uplift, ice protection and fish passage problems has meant special skills were necessary and developed. Bolter Parish Trimble Ltd. has acted as prime consultant on major civil projects with sub-consultants in other disciplines and has, when necessary, entered into joint venture agreements with other consultants with specialized expertise.

SPECIAL SERVICES: Special structural achievements include the design of floating pump barges, marine jetties and drill rig foundations.

BOLTER RESOURCE CONSULTING LTD.

J.A. Bolter, President
J.M. Bolter, Secretary

HEAD OFFICE:
2270, 801 - 6th Avenue S.W.
Calgary, Alberta T2P 3WZ
(403) 290-0249

DESCRIPTION: The firm was formed in Calgary in 1976 and incorporated in the same year. The company offers a complete geologic consulting service to the petroleum industry. Bolter Resource Consulting Ltd. also participates in exploration and generates drilling prospects.

AFFILIATES: Setter Petroleum Ltd., 2270, 801 - 6th Avenue S.W., Calgary, Alberta, T2P 3W2.

BORCOM ASSOCIATES

G.V. Lloyd, Partner
E.N. Spice, Partner
N.D. Urquhart, Partner
A.A. de Vlaming, Partner

HEAD OFFICE:
204, 1135 - 64th Avenue S.E.
Calgary, Alberta T2H 2J7
(403) 258-0424

OTHER FOREIGN OFFICE: Bangkok, Thailand

BOTAR AGENCY LTD.

J. Horvath
O. Botar
R. Prodaniuk

HEAD OFFICE:
12634 Fort Trail
Edmonton, Alberta T2C 3C1
(403) 475-1836

DESCRIPTION: Incorporated in 1973, structural design, legal inspections, progress claim reports, design of commercial, industrial, institutional & residence building. Services include hotel and restaurant design and when required, other specialized mechanical, electrical and soils consultants are employed.

BOWER DAMBERGER ROLSETH ENGINEERING LTD.

Kennith R. Damberger, P.Eng., President
Richard D. Bower, P.Eng., Secretary
Colin S. Rolseth, C.E.T., Partner

HEAD OFFICE:
#203, 1601 Westmount Road N.W.
Calgary, Alberta T2N 3M2
(403) 283-0060

DESCRIPTION: Bower Damberger Rolseth Engineering was incorporated in February 1984 in Alberta with its head office at Calgary. The company was formed to provide consulting services to the oil and gas industry. Consulting services include project feasibility studies, project management, engineering drafting and onsite inspection for oil or gas surface facilities.

BOWSMAN EXPLORATION LTD.

M.H. Young, Director
T.M.H. Young, Secretary

HEAD OFFICE:
Suite 700, 706 - 7th Avenue S.W.
Calgary, Alberta T2P 0Z1
(403) 263-4225

DESCRIPTION: The firm was incorporated on May 30, 1977 in Alberta. The firm offers geophysical consulting services to the oil & gas industry. Services include evaluation of seismic data shot on & offshore, to evaluate the hydrocarbon potential of the area. The seismic data is integrated with geology and well control and the results are incorporated in a final report complete with subsurface maps.

SPECIAL SERVICES: Seismic interpretation.

BOYD EXPLORATION CONSULTANTS LTD.

John D. Boyd, President

HEAD OFFICE:
2600, 330 - 5th Avenue S.W.
Calgary, Alberta T2P 0L8
(403) 233-2455

DESCRIPTION: The company was founded in 1977 to provide geophysical consulting services in petroleum exploration. There has always been extra emphasis on computer technology, especially model studies, and this area now produces over half the company's revenue.

DAVID BROMLEY ENGINEERING (1983) LTD.

David Bromely, President

HEAD OFFICE:
10532 - 110th Street
Edmonton, Alberta T5H 3C5
(403) 423-4123

DESCRIPTION: The firm was establised in 1983. The firm's expertise is in the area of water treatment, wastewater treatment and municipal engineering. The firm also has a division known as Small Community Engineering Services which specializes in the area of water, sewerage and road designs for small communities, hamlets, recreational areas and small industrial developments. In addition the firm has a strong capability in water treatment for high technology purposes and is utilized by a number of large industrial clients throughout Alberta. The firm also specializes in environmental permits and the regulatory process.

SPECIAL SERVICES: Water treatment for boiler feed systems, pilot plant design and construction, experimental design, statistical design and data evaluation, water treatment research, environmental permit acquisition and research, training and operations and maintenance water treatment facilities.

OTHER ALBERTA OFFICES: 9912A Manning Avenue, Fort McMurray, Alberta, T9H 2B9

DEREK BROWN ENGINEERING INC.

Derek Brown, President

HEAD OFFICE:
911 - 34th Street N.W.
Calgary, Alberta T2N 2T2
(403) 283-6382

DESCRIPTION: The firm was formed and incorporated in Calgary in 1980. Services include gas plant, compressor station, gathering system and design, procurement and construction supervision. Process and project engineering services are offered in the detailed design and construction of petrochemical plants.

293329 ALBERTA LTD. (BROWN ENGINEERING)

Terry N. Brown, P. Eng., President

HEAD OFFICE:
234, 9738 - 51st Avenue
Edmonton, Alberta T6E 0A6
(403) 437-4702

DESCRIPTION: The firm has been active in the provision of professional engineering services in Alberta since 1975. The firm has provided services as the prime consultant on a wide variety of buildings throughout Alberta, these projects include buildings for assembly, institutional, residential, business and personal services, mercantile and high, medium and low hazard occupancies. The firm has worked on subdivisions from initial planning through to construction of the finished subdivision.

SPECIAL SERVICES: Prime consultant on building projects.

AFFILIATES: Diversified Drafting Services, 234, 9738 - 51st Avenue, Edmonton, Alberta, T6E 0A6. provision of drafting services; Diversified Project Management, Edmonton, Alberta T6E 0A6, provision of project management services for the construction of buildings and subdivisions; Diversified Buildings, 234, 9738 - 51st Avenue, Edmonton, Alberta T6E 0A6, the sale and construction of pre-engineered and custom designed buildings.

BROWN, OKAMURA & ASSOCIATES LTD.

T. Okamura, A.L.S., P. Eng., President
J.D. Williams, A.L.S., C.L.S., Survey Manager

HEAD OFFICE:
514 Stafford Drive, N.
P.O. Box 655
Lethbridge, Alberta T1J 3Z4
(403) 329-4688 TLX 03-849367
TWX 610-823-4984

DESCRIPTION: The firm was founded as H.W. Brown & Company Ltd. in 1949 and re-organized as Brown, Okamura & Associates and incorporated in 1968. The company offers all phases of engineering and legal surveying services including construction surveys, control survey networks, monitoring surveys, aerial photography ground control and legal surveys for subdivisions, rights of way for irrigation, power lines, gas lines and roadways.

R.H. BROWN ENGINEERING SERVICES LTD.

R.H. Brown, President
E.J. Brown, Secretary

HEAD OFFICE:
640 - 8th Avenue S.W.
Calgary, Alberta T2P 1G4
(403) 262-1912

DESCRIPTION: The firm was founded in 1978 in Calgary. The services offered were initially production and completion experience which was used primarily in the U.S. Appalachian Basin (Pennsylvania, West Virginia, & Ohio) on wells in which Canadian companies were drilling. As the amount of work declined in the U.S., the services today are economic and evaluation studies on existing or patented operations, ongoing production supervision and general engineering consultant for small companies without an engineering staff.

BROWN & ROOT LTD.

H.J. Girgulis, President & CEO
L.A. Brown, V.P. & General Manager
A.A. Maley, V.P. Administration

HEAD OFFICE:
3308 - 76 Avenue
P.O. Box 5588, Station 'L'
Edmonton, Alberta T6C 4E9
(403) 468-1341 TLX/TWX
037-2482

ALBERTA OFFICES:
300 Monenco Place
801 - 6th Avenue S.W.
Calgary, Alberta T2P 3W3

DESCRIPTION: Brown & Root Ltd. was formed in 1951 and provides engineering, procurement, construction, fabrication, and modular assembly services throughout Western Canada and Northwest Ontario. Present corporate emphasis is on construction, fabrication and modular assembly services. This emphasis restricts the engineering services offered to detailed engineering in house and sub-contracting or joint venturing the engineering required for larger projects. Complete marine engineering services are provided through a joint venture company in Calgary. As a direct hire industrial construction contractor Brown & Root Ltd. has worked in all ten provinces and the far north. Work has been performed for the oil, gas, heavy oil, petrochemical, chemical, mining, utilities, pulp & paper and other industries. Brown & Root Ltd. also operates the largest pipe fabrication shop in Western Canada. This shop and a large assembly yard helps make Brown & Root Ltd. especially proficient at modular assemblies.

OTHER FOREIGN OFFICES: Houston, Texas

BRUNSWICK RESOURCE CONSULTANTS LTD.

Ernest E. Pelzer, President
M. Aileen Pelzer, Vice-president & Secretary

HEAD OFFICE:
940, 808 - 4th Avenue S.W.
Calgary, Alberta T2P 0K4
(403) 261-2741

DESCRIPTION: Brunswick Resource Consultants Ltd. was formed in 1981 to take over the consulting functions of Brunswick Resources Ltd., a firm which commenced operation in 1971. Brunswick Resource Consultants Ltd. provides consulting services in the areas of petroleum exploration prospect generation, and prospect evaluation.

AFFILIATES: Parent company: Brunswick Resources, Ltd., 940, 808 - 4th Avenue S.W., Calgary, Alberta T2P 0K4. Petroleum exploration & production.

BRUSSET CONSULTANTS LTD.

M.J. Brusset, President

HEAD OFFICE:
#907, 1333 - 8th Street S.W.
Calgary, Alberta T2R 1M6
(403) 228-5573

DESCRIPTION: Brusset Consultants Ltd. has been in business since February 1980, providing petroleum engineering and geological consulting services. Engineering services are provided for oil and gas exploration, development and production, with special emphasis on formation evaluation, reserves studies, reservoir performance studies (primary, secondary and tertiary recovery mechanisms), natural gas engineering (deliverability predictions, processing, and by-product recoveries), and economic evaluations. Seminars dealing with evaluation methods as they apply to Canadian oil and gas properties are also offered. Geological services are provided as an integral part of reserves studies and evaluations and to evaluate exploration acreage. Company staff and associates provide a wide range of engineering and geological experience gained in Canada, the U.S.A. and overseas. Determinations and evaluations of oil and gas reserves constitute a large part of our work. Our reports are accepted by banks, insurance companies, and other financial institutions and are used as a basis for loans, company mergers, and the purchase and sale of oil and gas properties. Clients include Canadian and U.S. oil companies, individuals, banks, insurance companies, trust companies, brokerage and law firms. We have appeared as expert technical witnesses on behalf of clients in courts of law.

BRUYER CONSULTING LTD.

W.F. Bruyer, President

HEAD OFFICE:
301, 10335 - 172 Street
Edmonton, Alberta T5S 1K9
(403) 484-0650

DESCRIPTION: This firm is a successor firm to the firm Bruyer Partnership founded in 1974 by W.F. Bruyer, P. Eng. This firm provides a broad range of municipal engineering services to both government and private industry, locally and internationally. Their services include water and sewage treatment systems, drainage systems and flood control, water distribution and sewage collection systems, reservoirs, urban street systems and highways. Specialized services are offered in urban and rural planning, feasibility studies.

BRYEX ENTERPRISES LTD.

James K. Bryant, President
Lorraine V. Bryant, Secretary

HEAD OFFICE:
220 Canterbury Place S.W.
Calgary, Alberta T2W 1P4
(403) 281-6465

DESCRIPTION: The company was incorporated in Alberta in October 1975. A wide range of geological services have been provided to many clients in the industry. Geological advice and recommendations related to oil and gas exploration and development throughout Western Canada, USA and Egypt.

BUCHANAN AND ASSOCIATES (ENGINEERS) LTD.

Douglas Buchanan, President & General Manager
Grace E. Buchanan, Secretary Treasurer
Garry R. Buchanan, Director
Harold Cameron, Director

HEAD OFFICE:
7337 - 18th Street
Edmonton, Alberta
(403) 464-3606
Mailing Address: P.O. Box 3112
Sherwood Park, Alberta T8A 2A6

DESCRIPTION: An independent company formed and incorporated by its principals in 1976 to offer services in the field of natural gas gathering, transmission and distribution. These services include: feasibility studies, design and specification, survey services, capacity studies, operations and maintenance studies, construction plans and contract and bid proposal documentation, liaison with government authorities assistance in material procurement, on-site inspection and project management, plant location records; as required for pipeline system construction.

SPECIAL SERVICES: We have considerable experience in the design, specification and construction of pipeline systems.

AFFILIATES: Drill Stem Test Analytical Services (Calgary) Limited, P.O. Box 3688, Postal Station 'B', Calgary, Alberta T2M 4M4, ph. 230-3971. Drill stem test chart analysis and interpretation, pressure plot studies, hydrodynamics, and seminars on the aforementioned.

BUTHFER GEOPHYSICAL CONSULTANTS LTD.

Michael W. Buthfer, President
Louise D. McArthur, Secretary-Treasurer
Nora S. Buthfer, Vice President

HEAD OFFICE:
302, 634 - 6th Avenue S.W.
Calgary, Alberta T2P 0S4
(403) 237-8002

DESCRIPTION: The firm was started in 1984 in Calgary. The company was incorporated in Alberta in 1984. The company offers consulting in acquisition, processing and interpretation of seismic data.

AFFILIATES: Seismic Data Bank Ltd.

BUTLER KREBES LEWIS ASSOCIATES LTD.

John Krebes, Principal Engineer
Patrick Butler, Principal Landscape Architect
David Lewis, Senior Engineer
John MacManus, Senior Engineer

HEAD OFFICE:
#200, 4224 - 93 Street
Edmonton, Alberta T6E 5P5
(403) 463-7993

DESCRIPTION: Butler Krebes Lewis Associates Ltd. was established in Alberta in 1968. The objective of the firm was to provide consulting services in the field of municipal engineering, landscape architecture, site and urban planning. The organization is composed of municipal engineers, landscape architects, designers, draftsmen, surveyors, and construction technicians. Beginning with the initial site selection and feasibility studies, the firm provides services to follow each project through the detailed planning and design phases to final construction survey and supervision. Throughout Alberta, the firm has completed municipal, single and multiple family residential, commercial, and institutional projects, parks and recreation areas and industrial sites. Legal survey services are provided by an associated firm, Skinberg & Associates Ltd., Land Surveyors.

AFFILIATES: Skinberg & Associates Ltd., 220, 4224 - 93 Street - Legal Survey Services.

C & M ENGINEERING LTD.

Roger H. Giovanetto, President
Colin Duncan, Vice President

HEAD OFFICE:
2220 - 39th Avenue N.E.
Calgary, Alberta T2E 6P7
(403) 230-7081 TLX/TWX
03-821172 Cgy

DESCRIPTION: C & M Engineering Ltd. is a Calgary firm formed in 1979 for the purpose of providing materials, corrosion and metallurgical engineering services to the oil and gas industry. The services offered include materials selection for refinery, gas plant and production facilities, equipment failure analyses, gas treatment process problem solving and the evaluation of chemical additives for corrosion control. Corrosion training programs are also available which are tailored to individual corporate needs.

SPECIAL SERVICES: Although the main thrust of the company is to corrosion and metallurgical engineering, the principals of C & M have a broad based petroleum industry consulting experience which includes drilling, completions, production, gas plant and oil processing, transportation and refinery operations. This has permitted the company to act effectively on behalf of clients in Canada and in foreign countries as expert witnesses in litigation cases and in technology transfer.

SUBSIDIARY INFORMATION: C & M Testing Ltd., safety inspection and maintenance of load lifting equipment, corrosion monitoring through ultrasonic inspection of producing and processing facilities, other non-destructive testing.

C & M SYSTEMS SUPPORT (A DIVISION OF C & M LITERATURE RESEARCH LTD.)

Carlton Gibson, Project Co-ordinator
Maureen Gibson, Secretary

HEAD OFFICE:
4211 - 95th Street
Edmonton, Alberta T6E 5R6
(403) 461-5191

DESCRIPTION: C & M Systems Support is a division of C & M Literature Research Ltd., which was established in 1982 and incorporated in the province of Alberta in 1984. C & M specializes in computer applications, information gathering and document preparation for the earth sciences, energy, mining, minerals and associated industries. Services include statistical, simulation and mathematical models, databases, management information systems, on-line processing, software evaluation and design and contract programming. The professional core staff consists of specialists with varying backgrounds in the physical sciences, information gathering and systems analysis

SPECIAL SERVICES: Microcomputer software related to the physical environment and software for engineers, geologists and geophysicists.

CAL-CAN SYSTEMS & ENGINEERING LIMITED

N.S. Shibley, President
T.R. Mazer, Secretary-Treasurer
H. Houssian, Director

HEAD OFFICE:
200, 625 - 4th Avenue S.W.
Calgary, Alberta T2P 0K2
TLX/TWX 03-825815

DESCRIPTION: The company was incorporated in Alberta in 1971 and an office opened in Calgary. It provides consulting engineering services to the petroleum industry, (drilling & production, evaluation, reservoir and field supervisory services). The company also provides advisory services on acquisition of offshore properties to Canadian based companies. We have gained considerable overseas experience, having provided technical people in Iran, Arabian, Gulf, Nigeria, Angola, Holland, New Zealand and Indonesia. Of special interest we executed a one-year program in Indonesia for Huffco- Pertamina which entailed the training of 28 engineering graduates. The major phases of the petroleum industry as related to exploration and production of oil and gas were covered.

CALIBRE ENGINEERING LTD.

G.D. Kermack, P. Eng., President

HEAD OFFICE:
3026 Glencoe Road S.W.
Calgary, Alberta T2S 2L8
(403) 243-0592

A.S.L. CAMPBELL ENGINEERING LTD.

Alex S.L. Campbell, President

HEAD OFFICE:
18 Lake Christina Close S.E.
Calgary, Alberta T2J 2R9
(403) 278-8109

DESCRIPTION: A.S.L. Campbell Engineering Ltd. was founded and incorporated in 1982 in Calgary, Alberta. Services are offered in process engineering and project management. Expertise is available in hydrocarbon processing including gas sweetening, dehydration and dew point control, sulphur recovery, tail gas treatment, LPG recovery, hydrocarbon fractionation, cryogenic light ends recovery, gas compression, heavy oil thermal production and oil cleaning. Background also exists in certain facets of petrochemical processing. Specialty expertise is available in oilseed processing/edible oil refining and in sodium sulphate recovery and processing.

DONALD L. CAMPBELL CONSULTING GEOLOGISTS LTD.

D.L. Campbell, President

HEAD OFFICE:
2801, 700 - 9th Street
S.W. Calgary, Alberta T2P 2B4
(403) 262-5462

DESCRIPTION: The company was formed in 1975 in Calgary and has specialized in providing exploration and development advice by senior experienced personnel to the oil and gas industry. Services include geological evaluation of land and drilling prospects. The company undertakes exploration projects on both exclusive and non-exclusive basis.

CAMPBELL WOODALL & ASSOCIATES CONSULTING ENGINEERS LTD.

Colin H. Campbell, President
David C. Woodall, Partner & Chief Eng.
Verlin Koch, Associates & Senior Designer
Hugh MacDonald, Edmonton Manager

HEAD OFFICE:
250, 1210 - 8th Street S.W.
Calgary, Alberta T2R 1L3
(403) 228-3178

ALBERTA OFFICES:
210, 1374 - 172nd Street
Edmonton, Alberta T5S 1G9

DESCRIPTION: The firm was founded in December, 1983, as a successor to C.H. Campbell Cons. Eng. founded in 1977. An office is maintained in Edmonton, managed by Hugh MacDonald. David Woodall, partner, is chief engineer. Services include structural - bridges, commercial, industrial and institutional. Civil services include roads and sub-divisions, and transportation studies. The firm also acts as prime contultant on projects engaging mechanical, electrical and other sub-consultants as may be required. In the oil patch services are rendered for foundation design, special vessel supports, access roads and bridge designs, and battery site civil engineering. The firm is registered in B.C., Saskatchewan and Alberta, is a member of Consulting Engineers of Alberta. Principals are members of the Engineering Institute of Canada.

SUBSIDIARY INFORMATION: MacDonald Campbell Cons. Eng. Ltd., #201, 11246 - 163 Street, Edmonton, Alberta T5M 1Y6. Ph. 483-0482.

CAMREC FACILITIES CONSULTANTS LIMITED

George Naoum, President
Harry Soloninka, Chairman of the Board
B.B. Torchinsky, Director

HEAD OFFICE:
10554 - 82 Avenue
Edmonton, Alberta T6E 2A4
(403) 432-7478

DESCRIPTION: Camrec Facilities Consultants Limited is a federally incorporated company, offering specialized professional services on a national scale. The firm is a member of the Agra Industries Limited group of companies, which are involved in engineering, food and beverage and community services. Camrec Facilities has a multi-disciplined type of organization and thus performs all services and designs with its own inhouse professional and technical personnel. The services Camrec Facilities offer are: planning, studies, reports; programming, staffing and operations; design-tender-construction management; all-encompassing project management; studies and design for the retrofitting and upgrading of existing recreational facilities. Camrec Facilities offers to all its clients the 'Single Responsibility' concept in all projects. This approach allows the integration of planning, design, tender, construction administration and/or construction management; as well as commissioning and follow-up, as a single responsibility under the direction and control of a professional Project Manager . In planning, design, and management, the major resource is personnel. Recognizing the importance of this asset, Camrec Facilities maintains highly qualified professional and technical personnel.

SPECIAL SEVICES: Camrec Facilities offers specialized professional services in the following fields: recreational, leisure, cultural and athletic facilities; swimming pool mechanical and water quality consulting; refrigeration systems consulting; retrofitting and upgrading of facilities; project and/or construction management of projects.

OTHER CANADIAN OFFICES: Victoria, B.C.

CAN WEST CONSTRUCTION (1978) LTD.

E.C. Obreen, President
D.H. Obreen, Secretary
J. Mason, Treasurer

HEAD OFFICE:
204, 1212 - 1st Street S.E.
Calgary, Alberta T2G 2H8
(403) 269-7812 TWX
03-821172CGY

DESCRIPTION: A 100% Alberta company incorporated in Alberta in 1971 and Saskatchewan 1981. It was reorganized in 1978 under the present management. Can West is an enginering and construction company specializing in compressor installations, gas and oil treating, oil batteries, water floods, liquid sulphur handling and gas plant work. The company has capability to bid on lump sum basis, a complete EPC or construction only project. Its own forces would do earthwork, concrete, structural steel, equipment setting and pipework. The company has experience in plant maintenance.

OTHER CANADIAN OFFICES: Regina, Saskatchewan

AFFILIATES: Can West Engineering Ltd., 204, 1212 - 1st Street S.E., Calgary, Alberta T2G 2H8

CAN WEST ENGINEERING LTD.

E.C. Obreen, President
D.H. Obreen, Secretary

HEAD OFFICE:
204, 1212 - 1st Street S.E.
Calgary, Alberta T2G 2H8
(403) 269-7812 TLX
03-821172CGY

DESCRIPTION: Can West Engineering Ltd. was registered September 4, 1985 and has been in-active to date. All work to date has been through Can West Construction (1978) Ltd.

CANADIAN PORTLAND CEMENT ASSOCIATION

R.A. Serne, Managing Engineer-Alberta

HEAD OFFICE:
365 Bloor Street East
Suite 1900
Toronto, Ontario M4W 3L4

ALBERTA OFFICES:
1210, 10055 - 106th Street
Edmonton, Alberta T5J 2Y2
(403) 423-5101.

OTHER CANADIAN OFFICES: Vancouver, B.C.; Regina, Saskatchewan; Winnipeg, Manitoba; Toronto, Ontario; Ottawa, Ontario; Montreal, Quebec; Halifax, Nova Scotia.

OTHER FOREIGN OFFICES: Skokie, Illinois; S. Pasadena, California; Washington, D.C.; Indianapolis, Ind.; Minneapolis, Minnesota; Denver, Colorado; Dallas, Texas; Atlanta, Georgia.

CANPAR ENGINEERING INC.

Jeffery Straw, President
Dick Radoyevic, Secretary

HEAD OFFICE:
1939 - 25th Avenue S.W.
Calgary, Alberta T2T 1A6
(403) 244-0841

ALBERTA OFFICES:
P.O. Box 1120, Station M
Calgary, Alberta T2P 2K9
(403) 244-0841

DESCRIPTION: Canpar Engineering was formed in Calgary in 1984 to offer small scale turnkey services to building owners, managers and operators for engineering and related services of structural nature. Included are engineering, fabrication and installation of structural and decorative steel or stainless steel products, and concrete repairs and maintenance. We specialize in window washing equipment.

SPECIAL SERVICES: Structural repairs and maintenance.

AFFILIATES: Sopot Electrical & Electronics Ltd, Box 2083, Station M, Calgary, Alberta T2P 2M4, Electronic controls and services for window washing equipment.

CANTERRA ENGINEERING LTD.

Vern A. Hult, President
C. Chris Blundell, Vice President
Howard G. Jackson, Marketing Manager
A. Steve Dombey, Controller
Greg Berry, Production Manager

HEAD OFFICE:
#7, 3610 - 29th Street N.E.
Calgary, Alberta T1Y 5Z7
(403) 291-0650 TLX/TWX
03-821214

DESCRIPTION: The company was incorporated in February, 1978 in Alberta. It specializes in the design and manufacture of mechanical equipment with special emphasis on portable drilling equipment and off-road vehicles for the seismic, construction, powerline, mineral exploration and water-well markets. The other main products are the packaging of oilfilled screw compressors.

SPECIAL SERVICES: Portable drills and off-road vehicles.

AFFILIATES: Summiterra Manufacturing Ltd., an Albertan company operates heliportable seismic drills in the U.S.A. on a contract basis with major oil and recording companies. Summiterra operates under the same of Summit Drilling Inc. and is located at the same address as Canterra.

CAN-TRAFFIC SERVICES LTD.

Mike Kelly, President
Sheilagh Kelly, Secretary-Treasurer

HEAD OFFICE:
16008 - 121A Avenue
Edmonton, Alberta T5V 1B2
(403) 452-3081

DESCRIPTION: The firm was incorporated in 1977 in Edmonton. Broad range of engineering services include all aspects of traffic engineering such as traffic signal warrants, design, layout, pole foundations; traffic guide sign warrants, design, sign bridge design, lighting; traffic sign warrants, design, layout; pavement markings design and layout; parking evaluations; time-phase diagrams; design and layout of parking control systems; traffic counts and analysis.

SPECIAL SERVICES: Our firm is also actively involved in the construction of and maintenance of traffic control devices. We have all our own equipment and manpower to provide for the construction of traffic signals, signs, and pavement markings.

CANUCK GIE ENGINEERING LTD.

William Bruce, P. Eng., President & C.E.O.
William N. Wray, P. Eng., Vice President
Jack E. Ellefson, P. Eng., Vice President
Ronald G. Chambers, C.A., Vice President
R. Wayne Peddie, P. Eng., Manager, Business Development
James H. Russell, P. Eng., Manager, Edmonton

HEAD OFFICE:
200, 200 Rivercrest Drive S.E.
Calgary, Alberta T2C 2X5
(403) 236-6000 TLX/TWX
03-826678

ALBERTA OFFICES:
100, 17510 - 102 Avenue
Edmonton, Alberta T5K 1K2
(403) 484-6676

DESCRIPTION: The predecessor company, Canuck Engineering Ltd., commenced operations in 1974 and had eleven years of successful operation. During 1985, the company was reorganized under a new corporate structure to affiliate with Gulf Interstate Engineering of Houston, Texas. This affiliation provided greater technical capability in selected areas and introduced a broader experience base in international operations. Canuck GIE Engineering Ltd. has the technical capability, experience and resources to provide general consulting services on total gathering, pipeline and distribution systems for the transportation of crude oil, gas liquids, LNG, petroleum products, commercial liquids, gases and slurries. Its specific services cover feasibility and cost estimating studies, design, engineering, material procurement, right-of-way acquisition, construction inspection and contract and construction management, testing, and overall project management and development of the complete pipeline system. Exceptional arctic pipeline engineering experience is offered. The company staff have had senior design responsibility on all phases of oil, gas and product pipeline projects in Canada and abroad, including evaluation and selection of new and unique equipment and materials for unusual pipeline service, tankage and storage, interface detection and metering for custody transfer of unusual and high vapour phase products. Canuck GIE Engineering Ltd. is organized to provide experienced project managers and engineers supported by strong engineering, construction management, field inspection, computer materials and other services needed to meet the client's total pipeline requirements. Canuck GIE Engineering Ltd.'s staff offer current experience and expertise.

SPECIAL SERVICES: Our firm has an extensive suite of pipeline design and construction management computer software including gas and liquid hydraulics, and project material and cost controls.

AFFILIATES: Gulf Interstate Engineering, 1233 West Loop South, Houston, Texas; full spectrum of engineering services covering: onshore and marine pipeline systems, pump and compressor stations, gas treatment and dehydration, process, metering, telecommunications, SCADA, cathodic protection.

CAPILANO GEOPHYSICAL LTD.

Ernest J. Jackson, President

HEAD OFFICE:
1030, 700 - 9th Avenue S.W.
Calgary, Alberta T2P 2V3
(403) 264-6339

CARSWELL CONSULTING LTD.

Duncan A. Carswell, President

HEAD OFFICE:
6725 Larch Court S.W.
Calgary, Alberta T3E 6E9
(403) 240-4397

DESCRIPTION: Carswell Consulting Ltd. was established in May, 1985 to provide a range of services to the petroleum industry, and its suppliers. For exploration companies, the company offers management consulting, systems evaluation, and strategic planning services for exploration computing systems and applications. For suppliers to the petroleum industry, the company offers marketing assistance through market studies, product evaluation studies, distribution systems studies and contract administration services. In addition the company offers custom software development using C. Fortran, or Assembler on systems ranging from micros to mainframes.

CARSWELL ENGINEERING LTD.

H.A. Carswell, P.Eng., F.E.I.C., President
J.B. Carswell, P.Eng., M.E.I.C., Secretary
E.F. Collins, P.Eng., Chief Engineer

HEAD OFFICE:
3415 - 3rd Avenue N.W.
Calgary, Alberta T2N 0M4
(403) 283-0791

DESCRIPTION: C.E.L. was incorporated in 1968 and took over the Calgary practice of the former Whittaker, Carswell and Company Ltd., which had its beginnings in Calgary in 1954. C.E.L. has expanded on the former practice which consisted chiefly of structural design of buildings and bridges, to now offer prime consulting services in the complete design of all types of buildings and structures, which it is able to do through its association with an architectural firm(s). It has further broadened the scope of its services of undertaking project mamangement and cost control, a function vital to project economics in today's inflation spiral. The complexity of modern buildings and structures has led C.E.L. to unhesitatingly seek out the best consulting advice in the fields of mechanical, electrical, soils, geotechnical, etc., and skillfully combine these equations on schedule and budget. C.E.L. has recently associated with the firm of Lalonde, Girouard, Letendre & Associates Ltd. of Montreal, a firm of more than 600 engineers and technologists. While C.E.L. will continue to operate in its traditional field as described above, the new firm Carswell-LGL Engineering Limited will practice engineering in all fields not now practiced by C.E.L. Carswell-LGL Engineering Limited will offer services in mechanical engineering, electrical engineering, industrial works, international engineering. The new firm combines the expertise and vast experience of the LGL group of companies and Carswell Engineering Ltd. to ensure its clients of the best possible engineering services. Brochures available.

SPECIAL SERVICES: Specialized Computer Applications.

CASCADE ENGINEERING LTD.

Peter Feleki, P.Eng., President
Barbara Feleki, Secretary-Treasurer

HEAD OFFICE:
Box 1551
Canmore, Alberta T0L 0M0
(403) 678-4211

DESCRIPTION: The firm was formed in Canmore in 1980 and incorporated in 1981. It offers structural & mechanical engineering services for all types of buildings as well as project management services. Total building design services are offered and other specialized consultants such as electrical, soils, architectural are employed as required.

CATALYST TECHNOLOGY (CANADA) LTD.

James R. Mosies, General Manager
Terry Zerebeski, Operations Manager
Wayne Lank, Catalyst Sales
Gary Ruta, Catalyst Sales

HEAD OFFICE:
8103 Old LaGrange Road
Buckner, Kentucky
USA 40010
(502) 222-0121

ALBERTA OFFICES:
8103 - 43 Street
Edmonton, Alberta T6B 2M3
(403) 468-4544 TLX 037-42620

DESCRIPTION: The Edmonton office was opened in November, 1977. The company at that time specialized in the material handling needs of the chemical manufacturing and oil refinery industries. Today these services are offered to a wide range of industries in Western Canada. The company's industrial division is involved in the emergency and controlled handling of hazardous materials.

SPECIAL SERVICES: Inert entry in confined spaces, hazardous material handling.

OTHER FOREIGN OFFICES: Pasadena, TX; Iverville, Louisiana; Damman, Saudi Arabia; Mickleton, New Jersey; Vacaville, California; Marsaille, France.

AFFILIATES: Shell Chemical and Polymor Additives, Houston, Texas; CRI Ventures Inc., Baltimore, Maryland.

CCD ENGINEERING LTD.

Don W. Morrison, P.Eng., President

HEAD OFFICE:
6815 - 40th Street S.E.
Bay D
Calgary, Alberta T2C 2W7
(403) 236-1677 TLX/TWX
03-825774

ALBERTA OFFICES:
252 Kaska Road
Sherwood Park, Alberta

DESCRIPTION: CCD Engineering Ltd. specializes in the restoration, repair and protection of concrete structures utilizing state-of-the art materials and technology. Active in the contracting and construction field since 1974, CCD has the experience, knowledge and ability to formulate and apply the materials best suited to overcome conditions in the most aggressive environments.

SPECIAL SERVICES: CCD has applied a sound engineering/contracting approach to a wide range of jobs, with particular emphasis on the restoration of concrete structures - projects that include everything from parking garages and bridges to dams, industrial plants and food processing facilities. CCD utilizes state-of-the art products using procedures and equipment specifically developed to enable the full potential of the various polymers or cementitious materials to be realized. Our products can be applied at extremely low or high temperatures and in wet environments. Many of the products are approved for use in food handling and/or water processing facilities.

OTHER CANADIAN OFFICES: Saskatoon, Saskatchewan; Vancouver, BC.

AFFILIATES: Polymeric Engineering Limited, Brampton, Ontario, protection, repair, and restoration of concrete structures.

CECOL DIVISION OF KANATA HOLDING LTD.

E.K. Cumming, President

HEAD OFFICE:
7404 - 158th Street
Edmonton, Alberta T5R 2B3
(403) 481-5647

CENTERLINE ENGINEERING CORP.

Charles Lin, President
Seymour Wen, Consultant
Douglas Wen, Consultant
S. Dai, Consultant

HEAD OFFICE:
68 Woodhaven Road S.W.
Calgary, Alberta T2W 5L5
(403) 281-5742 TLX/TWX 03
825570

DESCRIPTION: The firm was incorporated in 1985 in Alberta and has an office in Calgary. It offers a broad range of engineering services in electrical and mechanical work for industrial plant and commercial building design. Emphasis has been placed on technology transfer and procurement services of electrical/ electronic production facilities for PROC, and engineering design.

SPECIAL SERVICES: The company, through its contacts in China and Taiwan, can search and develop engineering opportunities which may benefit both the service and resource industries at home.

CENTRE FOR FRONTIER ENGINEERING RESEARCH

Peter Adams, President
Tom Collier, Vice-President, Administration
Larry Staples, Vice-President, Research

HEAD OFFICE:
C-FER Building
University of Alberta Campus
Edmonton, Alberta T6G 2E2
(403) 432-5108

DESCRIPTION: C-FER was established in late 1983 with a major grant from the Devonian Group of Charitable Foundations; additional funding was provided by the Governments of Alberta and Canada, the University of Alberta and the private sector. The Centre's mandate is to conduct research related to the safe and economical development of Canada's frontier petroleum resources. Two major research programs are: offshore structures and downhole tubular systems. Structural, metallurgical and mechanical engineering is the focus of this research. In addition, a networking program is designed to foster technology transfer in Canadian frontier-related industries. C-FER is an incorporated, non-profit research centre located at the University of Alberta.

CENTURY GEOPHYSICAL CORPORATION OF CANADA

Andrew Cicoria, President
Mel Darrah, Vice President - Seismic
Anthony Susbetski, Vice President - Borehole Services Group

HEAD OFFICE:
5911 - 5th Street S.E.
P.O. Box 5700, Station A
Calgary, Alberta T2H 1Y2

ALBERTA OFFICES:
Box 582, Nisku Industrial Park
1202 - 8th Street (Bay 13)
Nisku, Alberta T0C 2G0
(403) 955-2002

DESCRIPTION: Century Geophysical Corporation of Canada is a Canadian company specializing in geophysical data acquisition. Century's worldwide experience ranges from seismic data acquisition (land), to vertical seismis profiling (VSP), to well logging (coal, uranium, gold). Century has provided high quality seismic data acquisition services to the exploration industry since 1948. Century operates from a base office in Calgary, Alberta with an additional field office in Edmonton. Century has a highly trained technical staff of over 30 employees dedicated to data acquisition, topographical surveys, well logging interpretation and engineering support. Century draws on an extensive complement of geophysical and support equipment in undertaking land seismic surveys. Century offers tracked and buggy mounted DFS V recording equipment capable of 48, 96, or 120 traces. Century's capability includes two tract mounted Sewell drilling units and four Buggy IVI mounted top drive augers. In addition to Century's dyanamite crews, Century operates two hydrapulse crews with four units mounted on IVI Buggies. These units have a variable energy output up to 12000 foot pounds.

SPECIAL SERVICES: Seismic surveys, surveying and mapping, oil and gas exploration, well logging, crystal surveys and VSP's.

OTHER FOREIGN OFFICES: Tulsa, Oklahoma, USA

AFFILIATES: Wholly owned subsidiary of Century Geophysical head office Tulsa, Oklahoma, USA.

CEP CONSULTANTS (1985) LTD.

Alastair M. Hay, M.A., F.R.I.C.S., President
Hassan K. Karim, P. Eng., Engineering Manager
Rahim A. Lakhoo, A.L.S., C.L.S., Manager, Surveying

HEAD OFFICE:
360, 1509 Centre Street S.W.
Calgary, Alberta T2G 2E6
(403) 262-3638

DESCRIPTION: CEP Consultants (1985) Ltd. was established in 1979 in order to carry out extensive urban development work in the Calgary and Southern Alberta market. A broad range of services is available to the land development industry and to Federal, Provincial, Municipal governments and private clients in the fields of transportation planning and engineering, municipal engineering design and construction supervision, town and regional planning. The firm has carried out extensive town planning and development feasibility work in the Southern Alberta area, and at the present moment has some 5,000 acres of land in the process of development.

SPECIAL SERVICES: Expert witness at hearings and boards.

CH2M HILL ENGINEERING LTD.

Steven L. Lackey, President
Tom Field, Assistant Regional Manager
Earl E. Shannon, Area Manager, Kitchener
Clyde W. Fulton, Area Manager, Toronto

HEAD OFFICE:
1110 Centre Street N.
Calgary, Alberta T2E 2R2
(403) 230-0100

ALBERTA OFFICES:
920 - 3 Avenue N.
Lethbridge, Alberta T1H 0H3

DESCRIPTION: CH2M Hill Engineering Ltd. began operations in British Columbia in 1976 and established the head office in Calgary in 1977. Other offices were opened in Lethbridge in 1981, Regina in 1985 and Mississauga, Ontario in 1986. Also in 1986, Canviro Consultants of Kitchener, Ontario became a division of CH2M Hill. The firm provides full engineering services in planning, design, program and construction management, enhanced oil recovery, irrigation and water resources development and associated civil and structural design. Specialized services are also provided in solid and hazardous waste disposal and management.

SPECIAL SERVICES: Produced water treatment and reuse for enhanced oil recovery projects. Incinerator design and operation.

OTHER CANADIAN OFFICES: Regina, Saskatchewan; Kitchener, Ontario; Mississauga, Ontario; Toronto, Ontario.

OTHER FOREIGN OFFICES: Various offices throughout the United States - of our affiliate - CH2M Hill, Inc.

SUBSIDIARY INFORMATION: Canviro Consultants, Kitchener, Ontario. Services provided include process engineering studies and designs in municipal and industrial water and wastewater management and hazardous and toxic wastes. In addition, environmental monitoring and laboratory services are provided.

AFFILIATES: CH2M Hill Inc., Corvallis, Oregon. Major activities include water and wastewater treatment, hydropower and electrical utility development, highway and bridge design, hazardous and toxic waste management, minerals and materials handling systems, electronics and industrial facilities.

C-H SYNFUELS LTD.

S.J. (Steve) Lane, P. Eng., M.E.A., President

HEAD OFFICE:
4520 - 16th Avenue N.W.
Calgary, Alberta T2B 0M6
(403) 247-1212

DESCRIPTION: C-H Synfuels (C-H) was incorporated in Alberta in May, 1981. C-H carries out process research and development, engineering and management consulting activities for oil sands and heavy oil projects. The company has a large, well equipped laboratory/office/pilot plant operation in Calgary. Facilities include CADD equipment, analytical equipment, oil sands pilot plant test equipment, and fabrication and analytical support.

SPECIAL SERVICES: C-H has developed novel oil sands extraction, analytical and waste disposal methods on its own initiative and under contract. It also provided consulting support to other corporations, engineering firms and government agencies in engineering, finance and project management.

CHAMBERS ENGINEERING LTD.

Tom Chambers, P. Eng., President
Lenore Chambers, B.A., Secretary-Treasurer
Dmetro Babchuk, C.E.T., General Manager
Randy Penny, P. Eng., Manager Engineering
Kevin Holum, Manager Operations

HEAD OFFICE:
17319 - 108th Avenue
Edmonton, Alberta T5S 1G2
(403) 484-4447

DESCRIPTION: Chambers Engineering Ltd. was founded in Alberta in 1970 by Tom Chambers, P. Eng. The company was licensed by the Shell Development Company to offer Delta II Dynamometer services in Canada and by the research affiliate of the Royal Dutch Shell to offer the service in other countries. Chambers Engineering has been active in production engineering and oilfield and oil well production optimization. The company is active throughout Western Canada and maintains a field office in Midale, Saskatchewan.

SPECIAL SERVICES: Chambers Engineering Ltd. specializes in oilfield and oilwell production optimization using Delta II Dynamometer.

OTHER CANADIAN OFFICES: Midale, Saskatchewan

CHAPPEL AND COMPANY CONSULTING ENGINEERS LTD.

Wayne D. Chappel, P. Eng., President

HEAD OFFICE:
5503 - 103 Avenue
Edmonton, Alberta T6A 0T4
(403) 466-9720

DESCRIPTION: Chappel and Company Consulting Engineers Ltd. is a one man consulting company which was incorporated in 1979 and operates from its Edmonton office or client's office or field location, as may be required. Services provided relate to the design, engineering and construction management of 'Big Inch' pipeline systems. Consulting services have been provided to several major pipeline construction companies in recent years. Wayne D. Chappel, P. Eng., the principal of the company, has been involved in pipeline engineering assignments across Canada. Assignments undertaken in the United States include work in Alaska, Oregon and Texas. Overseas experience includes several assignments completed in Saudi Arabia and Libya. Wayne Chappel has for the past 16 years been involved in almost all aspects of pipeline engineering on major pipeline construction projects worldwide. Experience ranges from feasibility studies, location and survey, design, contract preparation, estimating, project engineering, construction management and supervision, hydrostatic testing, start up, claim preparation and paralegal assistance on litigation.

A.P. CHASTKO CONSULTANTS LTD.

A.P. Chastko, President
A.M. Chastko, Secretary-Treasurer

HEAD OFFICE:
1044, 425 - 1st Street S.W.
Calgary, Alberta T2P 3L8
(403) 298-5690

DESCRIPTION: The firm was founded in 1976 in Calgary. The company was incorporated in Alberta in 1978. Broad range of services in supervision of seismic aquisition (land and marine) and processing. Services include the interpretation of seismic data worldwide, the drafting of final maps, and report writing. Specialized services are offered in interpretation of seismic data on a computer work station.

CHELBA ENTERPRISES LTD.

C.E. (Chick) Brownbill, P.Eng., President
M. Barbara Brownbill, Secretary-Treasurer

HEAD OFFICE:
Site 25, Box 11, R.R. 8
Calgary, Alberta T2J 2T9
(403) 933-7686

DESCRIPTION: The firm was formed and incorporated in Alberta in June, 1982. The company offers a broad range of engineering services to the commercial, industrial and mining industries. Services include project and construction management functions and on-site supervision of any civil, mechanical and electrical installations.

SPECIAL SERVICES: Specialized services are offered for the evaluation, selection, procurement, quality assurance surveillance, erection and start-up of large mining equipment including bucket wheel excavators, stackers, reclaimers, conveyor systems, walking draglines, shovels and other associated equipment and mine site facilities.

CHERITON ENGINEERING INC.

R.W. Rogers, Managing Principal
D. Mears, Director
G. Hazlett, Secretary-Treasurer
Sid Siddiqui, Southern Manager
D. Panar, Principal
D. Knutson, Manager Mechanical Division
N. Forsyth, Manager Electrical Division

HEAD OFFICE:
Suite 400, 10512 - 169 Street
Edmonton, Alberta T5P 3X6
(403) 484-4444 TLX/TWX
037-41432

ALBERTA OFFICES:
2639 - 37 Avenue N.E.
Calgary, Alberta T1Y 5V7

Cheriton Engineering was incorporated in 1963 in Edmonton, Alberta to provide mechanical and electrical engineering services for all types of commercial, institutional, recreational and industrial projects. The company offers a full range of services from initial studies and conceptual design to detailed design, inspection and commissioning of facilities. Cheriton provides these services from offices located throughout western Canada, the Northwest Territories, the Yukon Territory and internationally. Systems designed include air conditioning, heating, ventilation, plumbing and drainage, boiler plants, power plants, refrigeration, steam and power distribution, food processing, lighting, communications, automation and control systems, and security and surveillance systems.

SPECIAL SERVICES: Full services in computer-aided engineering and drafting, technology transfer through classroom instruction and field observation for international students, energy management, physical evaluations, tenant services, utility distribution services for new developments, testing, commissioning, documentation and preventative maintenance programs, insurance investigation and professional testimony.

OTHER CANADIAN OFFICES: Vancouver, B.C.; Regina, Saskatchewan; Yellowknife, N.W.T.; Whitehorse, Yukon.

OTHER FOREIGN OFFICES: Seoul, Korea.

SUBSIDIARY INFORMATION: AccuTest Electrical Services Ltd., Suite 400, 10512 - 169 Street, Edmonton, Alberta T5P 3X6.

CHMEL CONSULTING ENGINEERING LTD.

John Chmelicek, President

HEAD OFFICE:
3227 - 114 Street
Edmonton, Alberta T6J 4B1
(403) 437-0419

DESCRIPTION: Chmel Consulting Engineering Ltd. was formed in 1978 in Edmonton, where the office was opened. The company was incorporated in Alberta in 1981. The services in general are in power electrical field; i.e., electric power distributions, overhead lines, lighting substations, switchgear protection, and controls. The work includes budget estimates, detail designs, study, field and construction supervision in iron ore, chemical, paper and oil refinery plants. Specialized services are offered in electric heat tracing study, calculation, design and construction supervision.

SPECIAL SERVICES: I am highly specialized in any type of electric heat tracing with long field experience.

CHRONES ENGINEERING CONSULTANTS INC.

James Chrones, President
Matina Chrones, Secretary

HEAD OFFICE:
807, 330 - 25th Avenue S.W.
Calgary, Alberta T2S 0L4
(403) 228-2826 TLX/TWX
06-966637

DESCRIPTION: Chrones Engineering Consultants Inc. operate out of both Toronto and Calgary to provide services to the petroleum, petrochemical and energy industries. Services include: process and conceptual designs, feasibility studies, technical evaluations, technology development, project management, engineering management, plant operation assessments, technical personnel evaluation and selection. As president, Jim Chrones has over 30 years of worldwide experience in technology development, process design, project and engineering management, plant operations, sales, project and engineering management, plant operations, sales, project financing and administration. He has headed the Canadian affiliates of multi-national process engineering construction companies and has been involved in a variety of projects for refining, petrochemicals, fertilizers, LNG, chemicals, nuclear energy and food processing. Through associations with other consulting groups, additional resources can be made available depending on the scope and size of the assignment. References, resumes and detailed pertinent experience can be provided for specific proposal requests.

CIMARRON ENGINEERING LTD.

B. Nicholson, President
G. Statler, Vice-President
A. MacDonald, Secretary-Treasurer
K. Colvin, Partner
P. Agnew, Partner
B. White, Partner
B. Baubius, Partner

HEAD OFFICE:
202, 7710 - 5th Street S.E.
Calgary, Alberta T2H 2L9
(403) 252-3436 TLX/TWX 038
26596

DESCRIPTION: Incorporated in Alberta in 1985 with head office in Calgary. Wholly Canadian, employee owned engineering consulting firm specializing in project management, engineering, construction management, procurement and computer software services for pipelines and associated facilities. Specific consulting services include feasibility studies, regulatory permit applications, economic evaluations, pipeline design, station and metering design, procurement, contract documents, construction inspection and management, commissioning and overall project management. Consulting services can be provided on wellhead tie-ins, total gathering, transmission and distribution systems handling products such as crude oil, natural gas, natural gas liquids, carbon dioxide and other commercial liquids in both sweet and sour applications.

CITIDAL ENGINEERING LTD.

E.P. Webb, President
A.J. Shah, Executive Vice President
I.D. Henderson, Vice President - Economics

HEAD OFFICE:
#1000, 140 - 4th Avenue S.W.
Sun Life Plaza II
Calgary, Alberta T2P 3N3
(403) 264-6551

DESCRIPTION: Citidal Engineering Ltd. was formed effective February 1, 1976 through purchase of an existing ten (10) year old firm (Blain, Binnie Engineering Ltd.) and incorporated in Alberta March 4, 1976 as Blain, Binnie Engineering (1976) Ltd. On May 23, 1979 the name of the Company was officially changed to Citidal Engineering Ltd. Citidal is a Petroleum Reservoir Engineering Company specializing in petroleum and natural gas reserve analysis, production analysis, secondary and tertiary recovery analysis, property and Corporate (petroleum) economic analysis and property management.

CITY OF EDMONTON - EDMONTON TELEPHONES

R. Bird, P. Eng., General Manager
L. Samoil, Executive Director,
ETCOM International

HEAD OFFICE:
10040 - 108th Street
P.O. Box 20500
Edmonton, Alberta T5J 2R4
(403) 428-3311 TWX 610-831-1771

DESCRIPTION: Edmonton Telephones was incorporated in 1905 and is presently the largest municipally owned and seventh largest telephone system in Canada. Providing a wide range of telecommunications services and products to you through its highly trained consultants, Edmonton Telephones is ready to offer over 80 years of telecommunications expertise. Also available to customers outside the City of Edmonton is Edmonton Telephones international marketing arm, ETCOM International. Created in 1983, ETCOM International has established a link between Edmonton Telephones and the rest of the world. Services such as technical planning, marketing and sales consulting, human resource development, feasibility studies, and engineering of all your telecommunications needs are all provided along with products carefully chosen to be only the most reliable and up-to-date available. Edmonton Telephones and ETCOM International are clearly your best choice for telecommunications services both inside and outside the City of Edmonton.

CML CONSTRUCTION MANAGEMENT LTD.

A.B. Fox, President
C.M. Fox, Secretary-Treasurer

HEAD OFFICE:
363 Sioux Road
Sherwood Park, Alberta T8A 4H2
(403) 467-2042

DESCRIPTION: Incorporated in 1984, the firm provides construction advisory and construction management services to owners planning to develop industrial plants and properties. Services include construction advice from initial planning phases through construction completion and start-up. Emphasis is placed on developing and implementing construction strategies which optimize modularization and maximize contracting approach to provide safe, economical and timely construction programs. Construction management provided either on a complete or integrated basis.

SPECIAL SERVICES: Speciality construction advisory services in the areas of modularization, construction strategies, contracting and construction quality control.

COAL MINING RESEARCH COMPANY

P.M.T. White, President
S.G. Butcher, Vice President

HEAD OFFICE:
One Oil Patch Drive
Devon, Alberta T0C 1E0
(403) 987-8195

DESCRIPTION: Established in 1977 and incorporated in Edmonton in 1978 as a non-profit, private company. Name changed in 1985 to Coal Mining Research Company to reflect the company's industry orientation and industry-majority board membership. Company mission is to assist the coal industry to improve the competitiveness and marketability of Canadian coals in the international and domestic market place. This through services which include promoting facilitating and carrying out applied research and development and the demonstration and transfer of resultant or acquired technology in the areas of exploration, mining and coal processing. Other areas of work include techno-economic and techno-marketing studies and the development of innovative methodologies. Company's modus operandi is to undertake and coordinate cooperative and supportive work with operating and user companies, with private consultants and developers of technology, and with research organizations.

SPECIAL SERVICES: Company objective is to effect technology and information transfer between developers, coal producers and coal users, government and private consultants.

THE COHOS EVAMY PARTNERSHIP

Christopher Bain, DIP ID, Partner
Martin Cohos, MRAIC, Partner
Michael Evamy, FRAIC, Partner
Daniel Ezinga, MRAIC, Partner
Costanzo Gabriele, MRAIC, Partner
James Goodwin, MRAIC, Partner
Paul Poffenroth, MCE, P.Eng., Partner
Richard Singleton, MRAIC, Partner (Professional Corporations)

HEAD OFFICE:
200, 902 - 11th Avenue S.W.
Calgary, Alberta T2R 0E7
(403) 245-5501 TLX/TWX 038-22507

ALBERTA OFFICES:
#300, Texaco Building
10130 - 112 Street
Edmonton, Alberta T5K 2K4
(403) 429-1580

DESCRIPTION: The firm was originated in 1959 as an Architectural firm. By 1964 it had expanded to include structural, mechanical, and electrical engineering, and has since added town planning and interior design services to become one of Western Canada's largest multi-disciplinary firms. An Edmonton office opened in 1983. The firm has successfully completed numerous commercial, institutional, industrial, and residential buildings, including several of Calgary's major downtown high-rise office complexes. Specialized services are offered in the planning and design of Hospital, Laboratory, and Research facilities.

SPECIAL SERVICES: Interior design and architectural design.

COLES NIKIFORUK PENNELL ASSOCIATES LTD.

Fred C. Coles, President & Chairman of Board
Dennis A. Nikiforuk, Secretary-Treasurer & Director
R. Murray Pennell, Executive Vice President & Director
Daryl H. Gilbert, Director
Brian W. Allan, Director

HEAD OFFICE:
1200, 444 - 5th Avenue S.W.
Calgary, Alberta T2P 2T8
(403) 265-0650 Envoy JPA 9090

DESCRIPTION: The firm is a private company of independent petroleum consultants which was initially formed in 1972. Total staff as of July 1986 includes 74 individuals with technical staff expertise provided by 33 professional engineers, eight professional geologists, seven individuals who provide computer software support and six staff who provide computerized drafting for project documentation purposes. Geological and engineering evaluations are conducted which encompass all aspects of petroleum exploration, development and production in the western Canadian sedimentary basins, United States, Australia, the Arctic, offshore northern and eastern Canada plus Italy and the North Sea. Studies prepared by the firm have been utilized for reporting to Canadian and United States securities commissions, National Energy Board submissions, purchase/sale agreements, domestic/international bank financings, securities issues, corporate reorganizations and mergers. Reserve studies prepared by the firm have also been utilized as the basis for major purchases of natural gas by utility companies from producing companies in Canada and Australia.

SPECIAL SERVICES: Special Services include corporate reserve and economic appraisals plus project management including drilling, completion and construction design of production facilities. Regional and project specific exploration and development geological studies are provided for project optimization and feasibility studies.

COLT ENGINEERING CORPORATION

J.K. Read, President
W.J. Egan, Vice-President/Gen. Manager (Calgary)
R.T. Clare, Manager - Process (Calgary)
R. Antal, Manager - Electrical (Calgary)
A. Fricke, Manager - Project/ Mechanical (Calgary)
G.W. English, Vice President/Gen. Manager (Edmonton)
J.M. Hutton, Manager - Process (Edmonton)
L. Benke, Manager - Electrical (Edmonton)
G. MacMillan, Manager - Project/ Mechanical (Edmonton)

HEAD OFFICE:
400 Southland Plaza
10201 Southport Road S.W.
Calgary, Alberta T2W 4X9
(403) 253-9305 TLX/TWX
03-826730

ALBERTA OFFICES:
#120, 5008 - 86 Street
Edmonton, Alberta T6E 5S2
(403) 468-2474

DESCRIPTION: Colt Engineering was formed in Edmonton in 1973 and expanded to Calgary in 1974. Services include complete process, mechanical, electrical, structural, civil, instrumentation and control engineering and design as well as project management, procurement, inspection and construction management. Areas of service include oil and gas facilities design, refinery, petrochemical, pipeline, telemetry, water treatment, industrial buildings, tar sands and heavy oil in-situ project design. Projects range from small to over $100 million in capital cost.

SPECIAL SERVICES: Specialized design for enhanced oil recovery projects, heavy oil plants, gas processing and compression facilities, refinery debottlenecking, energy conservation, gas and oil gathering systems and both conventional oil and heavy oil pipelines and pump stations. Colt is a leader in heavy oil process technology and facility design with 13 years of experience on over 40 heavy oil projects. Colt also developed and facricates the very successful Colt Treater for treating heavy oil which has a strong and proven track record with most major heavy oil operators in Alberta. Colt is also one of the leading designers and builders of turbo expander gas plants for maximizing liquids recovery.

OTHER CANADIAN OFFICES: Regina, Saskatchewan

SUBSIDIARY INFORMATION: Cord Projects Ltd. - non-union EPC/ construction and fabrication. Project Management Corporation - quality control inspection. All at 400 Southland Plaza, 10201 Southport Road S.W., Calgary, Alberta.

A. COMEAU & ASSOCIATES LTD.

A.H. Comeau, President
D.W. Kelly, Vice President
M. Comeau, Secretary
C. Kelly, Treasurer

HEAD OFFICE:
4718 - 90A Avenue
Edmonton, Alberta T6B 2P9
(403) 465-9961

DESCRIPTION: A. COMEAU & ASSOCIATES LTD. is a 'Consulting Electrical & Electronic Engineering' firm formed in 1976 and registered in the Province of Alberta. The company undertakes a wide variety of projects ranging in scope from energy management studies to complete electrical/instrumentation plant engineering. Engineering services include the preparation of detailed drawings, scheduling and specifications, project administration, contract documents and award, as well as commissioning and start-up of industrial plants. Specialized engineering control studies have carried forward to the design and manufacture of custom electronic control systems, involving unique control functions not available in the industrial market place.

SPECIAL SERVICES: The company designs and builds custom control electronic systems. Most products have been engineered and developed after extensive field testing of various problems.

SUBSIDIARY INFORMATION: APC Manufacturing Ltd. - Head Office: 4718 - 90A Avenue, Edmonton, Alberta T6B 2P9. The firm produces printed circuit boards and metal enclosures for electronic components.

COMER & WILSON LTD.

John R. Wilson, President
Robert L. Comer, Secretary

HEAD OFFICE:
600, 640 - 8 Avenue S.W.
Calgary, Alberta T2P 1G7
(403) 269-2596

DESCRIPTION: This firm was formed by the two principals and incorporated on January 17, 1972. Geophysical consulting services are offered with particular emphasis on the evaluation of prospective areas by the seismic method.

COMFORT ENGINEERING LTD.

I. Sheldon Comfort, President
Elizabeth Comfort, Secretary-Treasurer

HEAD OFFICE:
12520 - 42 Avenue
Edmonton, Alberta T6J 0X3
(403) 437-4912

DESCRIPTION: Formed in 1973, offering engineering services to the Alberta Rural Natural Gas Program, and to urban areas of British Columbia. These services are continuing.

COMMONWEALTH GEOPHYSICAL DEVELOPMENT COMPANY LTD.

Sudhir Jain, President

HEAD OFFICE:
1701, 505 - 3rd Street S.W.
Calgary, Alberta T2P 3E5
(403) 233-0336

DESCRIPTION: The company was established in 1977 to market seismic inversion technique MAGDEP developed by Dr. Jain, the founder. The company has since developed numerous other techniques to interpret geophysical data with less ambiguity and more accuracy. Company offers total geophysical service, including data gathering, processing and interpretation.

SPECIAL SERVICES: Company emphasises improvement of existing technology for interpretation of geophysical data through research.

AFFILIATES: Digitech Information Services, 700, 840 - 7th Avenue S.W., Calgary, Alberta T2P 3G2; AK Geophysical Ltd., 1701 - 505 - 3rd Street S.W. Calgary, Alberta T2P 3E6; Wildrose Exploration Services, 800A, 805 - 8th Avenue S.W., Calgary, Alberta T2P 1H7.

COMPUTER MODELLING GROUP

F.L. Meyer, President
A. Au, Manager, Business Development
L. Nghiem, Manager, Research & Development

HEAD OFFICE:
3512 - 33 Street N.W.
Calgary, Alberta T2L 2A6
(403) 282-9286 TLX/TWX 03821545

DESCRIPTION: The company was formed in 1977 to conduct research in Petroleum Reservoir Simulation and related areas. The company has established itself as a world leader in computer modelling of EOR schemes. The research and development work of the company is sponsored by the Petroleum Industry. Forty organizations in Canada, U.S.A., Mexico, Venezuela, U.K., Japan, South America, near East and France are currently members of CMG. CMG offers the state-of-the-art software for the simulation of conventional and heavy oil recovery schemes.

SPECIAL SERVICES: Non-profit company with high research and development content. Software for the simulation of sophisticated EOR schemes.

COMTEC ASSOCIATES LIMITED

D.A. Scheirer, President
D.D. Scheirer, Secretary-Treasurer

HEAD OFFICE:
203, 2 Athabascan Avenue
Sherwood Park, Alberta T8A 4A3
(403) 467-7840

DESCRIPTION: Comtec Associates Ltd. is an independent communications consulting and technical services firm, incorporated in Saskatchewan in 1973, and registered in Alberta in 1980. Comtec has no commercial interests in any manufacturer, contractor, or marketing agency. This company specializes in the design, specification, and project management of electronic communications systems. Broadcast related technologies of video, audio, professional sound, and communications radio systems are the primary area of of activity and expertise. Various microprocessor based control, alarm, and monitoring systems are also part of Comtec Associates' project experience. Consulting experience includes various projects developed from basic concept to detailed design, specifications, project management, testing, commissioning, and user training. Sice 1975, Comtec Associates Ltd. has operated as a systems design, specialty consulting, and technical support service to various architectural and electrical engineering consulting firms. Prior to this, Comtec also operated a radio communications, sound and television systems contracting service. Comtec is registered with APEGGA by a permit to practice engineering in Alberta. Comtec has a substantial investment in instrumentation, test equipment, and specialty resources for technical evaluations.

SPECIAL SERVICES: Communications systems design in radio, television, and sound.

CONTINENTAL DESIGNS LTD.

John M. Zold, President
Jim Mayor, Vice President

HEAD OFFICE:
#11, 5720 MacLeod Trail S.
Calgary, Alberta T2H 0J6
(403) 253-1442

DESCRIPTION: Continental Designs Ltd. was founded and incorporated in 1971, in Calgary, as an independent engineering design and drafting firm. We offer the following services - Mechanical Engineering: Plumbing System, Sewage System, Heating System, Air Conditioning System, Ventilation System, and Air Handling Systems. Electrical Engineering: Lighting Design, Power Distribution, Communication System, Automation and Controls, Power Generation.

COOK CULHAM PEDERSEN & VALENTINE ARCHITECTS AND ENGINEERS

G.A. Culham, Partner
N. Pedersen, Partner
L.F. Valentine, Partner
J.H. Cook, Consultant to the Practice
W.M. Montgomery, Consultant to the Practice

HEAD OFFICE:
400, 1011 Glenmore Trail S.W.
Calgary, Alberta T2V 4R6
(403) 253-6459

ALBERTA OFFICES:
100, 10350 - 12th Street
Edmonton, Alberta T5N 1R2

DESCRIPTION: The firm was formed under the name of J.H. Cook Architects and Engineers in 1953 and the firmname was changed to Cook Culham Pedersen & Valentine Architects and Engineers in 1986. A broad range of architectural and structural engineering services can be provided. The firm has had commissions for large scale office and institutional projects in the 100 to 150 million dollar range. In addition the firm has developed a specialized service in the design of malting plants, printing plants, hospitals, and academic facilities.

CO-ORDINATED ENGINEERING LTD.

Wayne R. Schmidt, President
Gerard P. Brand, Secretary

HEAD OFFICE:
10358 - 172 Street
Edmonton, Alberta T5S 1G9
(403) 483-8880

DESCRIPTION: Since incorporation in 1977, Co-ordinated Engineering Ltd. has provided comprehensive electrical engineering services for a variety of projects utilizing innovative design precedures and techniques. This firm has developed expertise in numerous facets of electrical design on projects which serve municipal, industrial, commercial and institutional clients. Energy conservation has been a focal point with this electrical engineering firm with emphasis placed on the use of highly efficient electrical control systems and equipment. Flexibility is also a keynote of the company which provides complete project supervision. The head office for Co-ordinated Engineering Ltd. is located in Edmonton with projects located not only in Alberta, but also British Columbia, Yukon Territory, Saskatchewan, Ontario and overseas.

SPECIAL SERVICES: Electrical fault and fire investigation.

CORE LABORATORIES - CANADA, LTD.

Sam Slemko, President

HEAD OFFICE:
Core Laboratories Inc.
130 East Rochelle
Irving, Texas 75062
(214) 570-5055

ALBERTA OFFICES:
1540 - 25th Avenue N.E.
Calgary, Alberta T2E 7R2
(403) 250-5600

DESCRIPTION: The engineering and consulting department of Core Laboratories was formed in Dallas, Texas in 1954. A Calgary office was opened in 1980. In January, 1985 Core Laboratories-Canada, Ltd. acquired ownership of PETRESIM Engineering Ltd. of Calgary to provide, through an integration of the products and expertise offered by the engineering and consulting department and PETRESIM, a more complete consulting service for the evaluation and exploitation of petroleum reserves. The company offers professional engineering services for the analysis and interpretation of petroleum reservoir performance data. Specific areas of expertise range from the application of basic petroleum engineering principles to complex multi-dimensional, multiphase computer simulation of petroleum reservoirs. The company also offers geological services in the areas of reservoir geology, log analysis and complete petrophysical evaluation.

OTHER FOREIGN OFFICES: Dallas & Houston, Texas, U.S.A.

SUBSIDIARY INFORMATION: PETRESIM Engineering Ltd., 200, 926 - 5th Avenue S.W., Calgary, Alberta T2P 0N7. Analysis and characterization of producing reservoirs, evaluation of oil and gas reserves, feasibility studies, gas field deliverability analysis, underground gas storage design and monitoring, primary and secondary oil recovery studies, enhanced oil recovery evaluations, thermal recovery pilot design and analysis, reservoir simulation software development, application and licensing.

COROD MANUFACTURING LTD.

K. Whitelegg, President
G. Heffernan, Chairman
A. Hamilton, Treasurer
P. Macdonnell, Secretary
J. Bryson, Controller
G. Sutton, Director
M. Koerner, Director
B. Corbet, Director
J. Nodwell, Director
J. Routledge, Director

HEAD OFFICE:
P.O. Box 76
Nisku, Alberta T0C 2G0
(403) 955-2591 Telex 037-43340

ALBERTA OFFICES:
#290, 808 - 4th Avenue S.W.
Calgary, Alberta

DESCRIPTION: Incorporated in 1965 in Edmonton, the company was formed to develop processes and equipment to manufacture continuous heat-treated steel sucker rods. Corod also developed unique rod handling, transporting, installation and service equipment compatible with its continuous rod technology. Much of this process and equipment has been protected by patents in Canada, U.S.A., and other oil producing countries. First commercial continuous rod installation was made in the Redwater Oilfield north of Edmonton in 1968. Company presently has in excess of 3000 rods pumping in western Canda and the Rocky Mountain region of U.S.A. The firm has 4 rods pumping in the U.S.S.R., 150 in Venezuela, an is negotiating transfer of its technology to U.S.S.R. and to Venezuela. The company has sold sufficient equipment and rods for a 10 well evaluation program in Northern China (Heilongjiang Province).

SPECIAL SERVICES: A new division operating for the last four years manufactures and distributes a progressive cavity rotary pump, used in the primary production of heavy oil. Advantages include the capability of handling up to 40% solids.

SUBSIDIARY INFORMATION: Corod Oilfield Industries Inc., operations in Colorado and Wyoming.

AFFILIATES: Servicios Corod de Venezuela S.A.

CORPORATE C.R.A.M. ASSOCIATES LTD.

H.L. Johnston, P.Eng., President
B.H. Johnston, P.Eng., Vice President
J.R. Ough, Secretary-Treasurer
J.P. French, Director

HEAD OFFICE:
14703 - 82 Avenue
Edmonton, Alberta T5R 3R7
(403) 489-0330

DESCRIPTION: Corporate Construction Research and Management Associates Ltd. (Corporate C.R.A.M. Associates Ltd.) was formed and incorporated under the Laws of Alberta in 1966 by a group of Construction Specialists. Services provided to the Construction Industry include Construction Management, Cost Estimates, Schedules, Cost Controls, Project Supervision, Contract Reviews and Finalizations, Construction Arbitrations, and Engineering investigations and Reports.

SPECIAL SERVICES: Construction Management; Cost Estimates; Schedules; Cost Controls; Project Supervision and Inspections; Contract Reviews and Finalizations; Construction Contract Mediations and Arbitrations.

COSBURN PETROLEUM CONSULTANTS LTD.

Stephen S. Cosburn, P.Eng., President
Reta M. Cosburn, Secretary

HEAD OFFICE:
1329 Bowness Road N.W.
Calgary, Alberta T2N 3J6
(403) 283-2695

DESCRIPTION: This company was incorporated in Alberta in 1980 with an office in Calgary and incorporated in British Columbia in 1980 with offices in Victoria and Dawson Creek. The Company offers geological consulting services specializing in well-site geologic supervision, field geology, geologic data processing, surface and subsurface geologic mapping and operates mainly in the Western Canada Sedimentary Basin.

OTHER CANADIAN OFFICES: Victoria & Dawson Creek, B.C.

COSTENTINO & PARTNERS PROJECT CONSULTANTS LTD.

Egi Cosentino, President
J. Chan, P. Eng.
A. Alexandrov, P. Eng.

HEAD OFFICE:
208, 525 - 11 Avenue S.W.
Calgary, Alberta T2R 0C9
(403) 294-1377

DESCRIPTION: The firm was formed in 1979 in Calgary. The company has a range of services including the structural engineering in all types of residential, commercial and institutional building structures. Included in our services are drafting, building structures, foundations design, construction supervision of work related to these building structures, and bridges, structural evaluations and shop drawings. Specializing in engineering related to apartment buildings, hotels, resort centres and shopping centres.

K.R. CROASDALE AND ASSOCIATES LTD.

K.R. Croasdale, President

HEAD OFFICE:
334, 40th Avenue S.W.
Calgary, Alberta T2S 0X4
243-7787

DESCRIPTION: The Company was formed in September 1983 when K.R. Croasdale left the oil industry to establish an independent research consulting practice. The strength and credibility of the Company is linked to the expertise and experience of the founder who has 25 years experience in engineering and design activities. During the past fifteen years the focus of these activities has been on research and research management in the oil industry, with special emphasis on arctic and offshore technology. The primary objective of the Company is to engage in high quality research programs in the fields of cold regions and offshore technology, especially relating to resource exploration and development. Specific types of services offered are as follows: Planning and implementing research programs; Advising on arctic and offshore technology and research; Strategic planning for new frontier technology; Studies in ice mechanics and ice forces; Studies relating to the physical environment of the cold regions; Engineering design and analysis; Technical audits; Research coordination and liaison.

CSC PROJECT MANAGEMENT SERVICES LTD.

W.S. Wilson, President

HEAD OFFICE:
1825 Park Road S.E.
Calgary, Alberta T2G 3Y6
(403) 233-7994

DESCRIPTION: CSC was incorporated in Alberta in 1982 and the Calgary office opened early in 1983. CSC is an independent consulting group offering project management services to industry and government, particularly in the areas of cost and schedule control such as: Cost Estimating; Project Planning; Schedule Control; Project Management System Development; Risk Analysis.

SPECIAL SERVICES: CSC have unique experience with cost control and planning in an owner-manager environment on large projects.

CUM BEN ENGINEERING AND DEVELOPMENT LTD.

Reg G. Pitt, President
A.L. Pitt, Secretary-Treasurer

HEAD OFFICE:
48 Wood Crescent S.W.
Calgary, Alberta T2W 4B6
(403) 281-2885

DESCRIPTION: Cum Ben Engineering was formed and incorporated in Calgary in 1980. The company offers Petroleum Reservoir Engineering Consulting Services to both the oil industry and the business community. The company has provided a variety of oil and gas reserves and economic studies, including related applications to various government agencies, for both oil and gas exploration and production properties.

SPECIAL SERVICES: Cum Ben Engineering specializes in but is not limited to providing 'in-house' service to the oil industry.

CUMMING EXPLORATION CONSULTANTS LTD.

L.W. Cumming, President
C.E. Cumming, Secretary

HEAD OFFICE:
609A, 630 - 8th Avenue S.W.
Calgary, Alberta T2P 1G6
(403) 262-9305

DESCRIPTION: The firm was incorporated in 1971 with the opening of an office in Calgary. Services include a broad range of petroleum oriented consulting, including prospect development, acreage evaluations, economic evaluation of petroleum prospects, regional geologic studies domestic and frontier, as well as wellsite supervision and specialized biostratigraphic studies. Services also include evaluations of US properties.

GLENN H. CURTIS & ASSOCIATES LIMITED

Glenn H. Curtis, President
H.M. Plant, Senior-Vice President
Donald R. Richardson, Vice President

HEAD OFFICE:
#600, 55 University Avenue
Toronto, Ontario M5J 2H7
(416) 364-4701

ALBERTA OFFICES:
#810, Selkirk House
555 - 4th Avenue S.W.
Calgary, Alberta T2P 3E7
(403) 263-5933

DESCRIPTION: Glenn Curtis & Associates was formed in 1970 to provide project and construction management servics to industrial companies in Canada. With head offices in Toronto, a branch office was formed in Calgary in 1980, which is now the company's principal office. Project assignments have been carried out in Nova Scotia, Quebec, Ontario, Alberta and British Columbia.

CVS ENGINEERING SERVICES LTD.

R.G. Cameron, P.Eng., President
R.G. Smith, Secretary-Treasurer

HEAD OFFICE:
425A - 58th Avenue S.E.
Calgary, Alberta T2H 0P5
(403) 253-4419

DESCRIPTION: CVS Engineering Services Ltd., is a Calgary based company which was incorporated in 1968. The company is primarily engaged in industries involved in the processing of agricultural products.

SPECIAL SERVICES: CVS Engineering offers: project management - feasibility studies - construction - detailed design and engineering for feed mills, seed cleaning plants, dehydrating plants, bulk material and handling facilities.

D&S PETROLEUM CONSULTING GROUP LTD.

P.E. Denhartog, Chairman of the Board
W.G. Fisher, President
M.S. Abougoush, Executive Vice President
O.P. Marudiak, Senior Vice President
R.D. Gilbert, Controller

HEAD OFFICE:
700 Palliser Square One
125 Ninth Avenue S.E.
Calgary, Alberta T2G 0P6
(403) 268-6500 TLX/TWX
03-824649

DESCRIPTION: The D&S Group of Companies, operating in Calgary, Alberta since 1964, were re-organized and amalgamated into the D&S Petroleum Consulting Group Ltd. (The D&S Group) in 1982. The D&S Group is a high technology company providing the world-wide petroleum energy industry with professional consulting services, technical software services and application software research and development in exploitation project management, drilling and field production supervision, conceptual production facilities design, geological and petrophysical evaluations, petroleum reservoir engineering and economic appraisals and production and revenue accounting. The Company is active internationally and a recognized energy consultant by the World Bank, United Nations and other international agencies. (Brochure Available)

SPECIAL SERVICES: Petroleum and natural gas property reserves evaluations; Numerical reservoir simulation studies; Conventional oil and gas, secondary oil recovery, enhanced oil recovery and heavy oil thermal recovery methods; Integrated seismic, petrophysical and geological reservoir studies; Field operations - drilling, completions, production, workovers and facility installation supervision; Comprehensive gas measurement, production accounting and revenue accounting services; Petroleum software products: numerical reservoir simulation models, hydrocarbon phase behaviour programs, analytical reservoir engineering programs for micro-computers, log analysis system for computer workstations, economic appraisal program, production and revenue accounting programs and production history, decline, reserves, revenue and cash flow program.

OTHER FOREIGN OFFICES: Houston, Texas

AFFILIATES: A.V. Energy Equipment Canada Ltd., Calgary, Alberta. Supplier of equipment, materials and services to the international petroleum and energy related industries. Provides integrated services packages: procurement, sales, packaging, documentation and transportation.

DALCOR INNOVENTURES LTD.

John R. McDougall, P.Eng., President
James D. Chorley, P.Eng., Vice-President

HEAD OFFICE:
1100, 10080 Jasper Avenue
Edmonton, Alberta T5J 1V9
(403) 424-7296 TLX/TWX
037-41487

DESCRIPTION: DALCOR was formed in Edmonton in 1975 and steadily expanded offering services in management engineering and economics to the resource sector. It is now a broadly based firm with wide ranging expertise covering most industry sectors. Major services include economic development, labour market assessments, market and feasibility studies, EDP systems planning and development, operations audit, organization and management planning, and procurement and logistics. DALCOR'S primary goal is to work with clients to achieve their objectives while maximizing their net benefits. Often this involves the effective integration of business, labour and government objectives to achieve a working consensus. DALCOR employs advanced data processing technology to support its innovative, highly productive and flexible professional team to meet owner needs combined with experience gained across Canada and around the world.

SPECIAL SERVICES: DALCOR maintains a unique private sector capability in the field of labour market planning and manpower assessments together with a capital project data base covering current and proposed industrial activities throughout Canada.

AFFILIATES: PROLOG Planning Inc. - Transportation, Distribution and Logistics Consultants, Calgary; Innoventures Management, Vancouver; Syntel Data Systems, Edmonton.

DALTAM CONSULTING LTD.

Dan D. McGuigan, President

HEAD OFFICE:
202, 17205 - 106A Avenue
Edmonton, Alberta T5S 1M7
(403) 484-2244

DESCRIPTION: Daltam Consulting Ltd. was formed and incorporated in Edmonton in 1983. The firm provides services from feasibility studies through design and specification preparation to construction completion.

SPECIAL SERVICES: The special areas of demonstrated expertise include municipal engineering, drainage and flood control, geodetic surveys, highways, roads and streets, hydrological studies, land development, land reclamation, sewage collection and disposal, water supply, storage and distribution.

DAP ENGINEERING LTD.

D.A. Peterson, President
D.M. Peterson, Secretary

HEAD OFFICE:
9313 - 162 Street
Edmonton, Alberta T5R 2M8
(403) 489-7973

DESCRIPTION: The company was formed in 1978 to provide electrical engineering services particularly related to electric utility and large industrial application.

SPECIAL SERVICES: High voltage electric transmission and substations.

AFFILIATES: Magna IV Engineering Ltd., 4207 - 98 Street, Edmonton, Alberta T5R 2E7, general electrical consulting engineering.

GRAHAM DAVIES GEOLOGICAL CONSULTANTS LTD.

Graham R. Davies, President

HEAD OFFICE:
4216 Varmoor Road N.W.
Calgary, Alberta T3A 0B3
(403) 288-3101/291-2428

DESCRIPTION: The firm was formed in 1983 in Calgary. Principal services are presentation of training courses for engineers and geologists, and special consulting projects in carbonate reservoir geology.

B. DAVISON CONSULTING ENGINEER LTD.

E.B. Davison, P.Eng., President

HEAD OFFICE:
8107 - 43 Street
Edmonton, Alberta T6B 2M3
(403) 465-9884

DESCRIPTION: The firm was established in 1980 in Edmonton to provide engineering consulting services to clients, providing a service in the field of civil, structural engineering. Specialties include route location for resource roadways, precast prestressed concrete design, railways and highways, and building construction, planning and design.

DB ENGINEERS & CONSTRUCTORS

W.W. Ward, Vice President & General Manager
B.W. Raymond, Manager Operations

HEAD OFFICE:
#250, 1209 - 59 Avenue S.E.
Calgary, Alberta T2H 2P6
(403) 252-0987 TLX/TWX
03-827834

DESCRIPTION: DB Engineers & Constructors is a unit of AMCA International Limited (formerly Dominion Bridge Company Limited) which was formed in 1882 initially as a builder of bridges. Since then, its activities have expanded geographically and AMCA is now engaged worldwide in the design, engineering, manufacturing, marketing, installation and financing of a broad range of industrial products including machine tools, construction equipment and engineering and construction services. Dominion Bridge has been supplying engineering, procurement and construction services to the coal industry for over 50 years and has been providing sulphur handling systems for the last 10 years. DB Engineers & Constructors was formed in 1981 to provide these specialized services to the coal and sulphur industries and has expanded into other areas of expertise residing in AMCA International such as heavy oil refining and construction of coal and other bulk material handling terminals.

SPECIAL SERVICES: Coal preparation, cleaning, mechanical and thermal dewatering, storage and unit train loadout systems including all forms of conveyance. Thermal power plant coal crushing and handling systems, coal transshipment terminals. Bulk sulphur conveyance and unit train loadout systems. Tarsands mining and extraction. Mineral processing and concentrating.

OTHER CANADIAN OFFICES: Toronto, Ontario

AFFILATES: AMCA Engineers & Constructors, Houston, Texas - EPC services to heavy oil industry. ORBA Corporation, Mountain Lakes, New Jersey - Engineering and operation of coal and other bulk material handling terminals.

DEARIN GEOLOGICAL CONSULTING LTD.

Charlie Dearin, P.Geol., President

HEAD OFFICE:
320 Whiteland Drive N.E.
Calgary, Alberta T1Y 3M6
(403) 293-1074

DESCRIPTION: The firm was incorporated in Calgary in 1981 and opened branch offices in Flin Flon, Manitoba and St. John's, Newfoundland during 1984. The main area of expertise is exploration and mining geology. The firm's consultants have extensive experience with gold deposits, base metal-volcanic deposits, carbonate hosted zinc and uranium deposits. The company has conducted numerous exploration programs for a variety of clients. These programs have been conducted in a wide range of geological environments across Canada and the Western United States, mainly for gold and platinum. The company's employees have a wide range of practical and economic experience in precious metals exploration and development.

OTHER CANADIAN OFFICES: St. John's, Nfld.; Flin Flon, Man.

DELACOUR CONTROL SYSTEMS LTD.

Glenn W. Kyle, President

HEAD OFFICE:
Room 204, 4216 - 12th Street N.E.
Calgary, Alberta T2E 6K9
(403) 250-8839

DESCRIPTION: The firm was formed and incorporated in Calgary, Alberta in 1985. Specialized services include electrical power and control systems design including programmable logic controller system design and programming for industrial applications.

DELCAN DELEUW CATHER WESTERN LTD.

R.P. Wozniak, P. Eng., President and General Manager
R.E. Pelkey, P. Eng., Vice President, Chief Bridge Engineer
A.A. Vandertol, P. Eng., Vice President, Chief Transportation Engineer
M.J. Narun, P. Eng., Vice President, Saskatchewan Operations
T.L. Stratton, P. Eng., Vice President, Manitoba Operations
R. Southwell, M.C.I.P., Manager of Planning
G.W. Mack, P. Eng., Head, Roadway Design
R.P. Hargrove, P. Eng., Manager, Red Deer
G. Maron, P. Eng., Manager, Grand Prairie
B. Berg, P. Eng., Manager, Camrose

HEAD OFFICE:
100, 5008 - 86 Street
Edmonton, Alberta T6E 5S2
(403) 468-6757

ALBERTA OFFICES:
1217 Centre Street North
Calgary, Alberta T2E 2R3

4929 - 50 Street
Camrose, Alberta T4V 1P9

10419 - 99 Avenue
Grande Prairie, Alberta T8V 0S4

5409 - 50 Avenue
Red Deer, Alberta T4N 4B7

L301, 8706 Franklin Avenue
Fort McMurray, Alberta T9H 3K8

5721E - 43 Street
Lloydminster, Alberta T9V 2G5

DESCRIPTION: Operations commenced in Alberta in 1966 with the establishment of the Edmonton office under the name of DeLeuw Cather. Restructuring occured in 1982, with the formation of DelCan Western Ltd., which operates offices in major centres in Alberta, Saskatchewan and Manitoba. DelCan offers a complete range of civil engineering services from conceptual planning to construction services and project management. Areas of service include: municipal engineering, streets and roadways, bridge engineering, light rail and bus transit engineering, traffic and transportation, railways, land development, environmental and land use planning.

OTHER CANADIAN OFFICES: Regina, Saskatoon, Saskatchewan; Winnipeg, Manitoba

AFFILIATES: Hemisphere Engineering International Inc.

DELCOR ENGINEERING LTD.

Dennis Huculak, President

HEAD OFFICE:
207, 6131 - 6th Street S.E.
Calgary, Alberta T2H 1L9
(403) 255-3700

DESCRIPTION: The firm had operated under the principal's name since 1982, but was incorporated under the name Delcor Engineering Ltd. in March of 1985. Established as a facilities engineering company to design oil and gas pipelines, plants and related facilities.

DELTA PROJECTS INC.

A.B. Coady, President
G.A. Read, Executive Vice President
E.J. Koprek, Senior Vice President
R.C. Walker, Secretary-Treasurer
K.L. McCrae, Vice President Business Development

HEAD OFFICE:
8500 MacLeod Trail South
P.O. Box 5244, Station A
Calgary, Alberta T2H 2N7
(403) 259-0411 TLX/TWX
038-22509

DESCRIPTION: Delta Projects Inc., is a Canadian company incorporated in the Province of Alberta in 1966 with its head office located in Calgary. The company provides an integrated service of engineering, procurement and construction to the hydrocarbon process industry. Delta is widely diversified in the oil and gas industry having completed processing facilities in the following areas: gas processing plants, sulphur recovery plants, heavy oil plants, refining and upgrading. Other areas where the company has expertise are membrane separation technology and toxic waste management facilities. The company conducts an ongoing research and development program to develop new processes for the hydrocarbon process industry. Specific services include; project management, process engineering, electrical and instrument engineering, civil engineering, piping layout and stress, procurement and construction services.

OTHER FOREIGN OFFICES: Houston, Texas, USA.

SUBSIDIARY INFORMATION: The Delta-Plantech Company, Houston, Texas. Major activities are direct sales contacts with companies in the hydrocarbon processing industry. All work resulting from these contacts is referred to Delta Projects Inc. in Calgary.

AFFILIATES: Dillingham Corp., Vancouver, B.C.; Dillingham Corp. hold a substantial minority sharehold position in Delta Projects Inc. Dillingham specializes in heavy construction projects, i.e. hydrocarbon processing plants, pulp and paper plants, commercial projects, dredging, etc.

DELTA WEST DEVELOPMENTS LTD.

D.M. Park, President
Barbara Lowery, Vice President
Doug Arkison, Director

HEAD OFFICE:
1936 - 10 Street S.W.
Calgary, Alberta T2T 3G3
(403) 244-4755

DESCRIPTION: The firm was formed in 1978 in Calgary. Incorporation was simultaneous. The services offered include specifications & testing of all types of materials and specializing in steels. Engineering designs for gathering systems, pipelines & process facility materials. Special focus has been in the area of sour hydrocarbon materials, inhibition systems, corrosion monitoring, etc. Other specialization is risk analysis for project undertaking.

SPECIAL SERVICES: Risk analysis of projects and of facilities.

THE DESIGN GROUP

Mike J. Duff, President
Mark M. Kablina, Vice President
David J. Salsbury, Manager of Engineering
Larry A. Staley, Manager - Calgary

HEAD OFFICE:
2404, 10025 Jasper Avenue
Edmonton, Alberta T5J 1S6
(403) 428-1505

ALBERTA OFFICES:
975 McDougall Place
808 - 4th Avenue S.W.
Calgary, Alberta T2P 0K4

DESCRIPTION: THE DESIGN GROUP was formed in Edmonton in 1975 and incorporated in Alberta in 1976. Divisional offices were opened in Calgary (1979) and Toronto (1981). Major services include the complete supply of engineering manpower including Professional Engineers, Designers, Draftsmen, Technologists and Technicians on a contract basis for peak work load or project staffing requirements. Our clients include recognized leaders in the fields of consulting engineering, mining, refining and chemicals, the utility and manufacturing industries. 'In-House' services include complete drafting services and consulting engineering on small to medium sized projects including residential, commercial, industrial and institutional buildings and facilities.

SPECIAL SERVICES: Complete supply of engineering personnel.

OTHER CANADIAN OFFICES: Toronto, Ontario

DIGINETICS ENGINEERING SERVICES LTD.

Russel Czaban
Olga Czaban

HEAD OFFICE:
Box 134, Site 15, RR4
Edmonton, Alberta T5E 5S7
(403) 921-3525

DESCRIPTION: Diginetics Engineering Services Ltd. was incorporated in 1980 to provide specialized assistance to the local industrial community in application of computers to process control, plant automation and machine control. Recent experience ranges from development of small controller packages for dedicated equipment control to implementation of multi-million dollar systems for refinery unit control. Scope of services offered includes conceptual development, cost estimates, engineering supervision, reliability and integrity analysis and quality assurance. Detailed engineering services are offered on small projects.

DME DEVELOPMENT MANAGEMENT ENGINEERING CONSULTANTS LTD.

C.D. Mistry, P.Eng., President
W.J. Miller, P.Eng., Vice President
L.R. Levasseur, C.E.T., Secretary-Treasurer
W. Poon, P. Eng., Structural Engineering
A. Delemonte, Transportation Engineering

HEAD OFFICE:
4192 - 93 Street
Edmonton, Alberta T6E 5P5
(403) 461-0044

DESCRIPTION: The firm through its offices in Edmonton and Toronto provides multi-disciplinary consulting, project management and turnkey services in environmental engineering (water supply, sanitary sewerage and storm water), transportation; buildings and structures; land use planning and land conceptual, marketing and needs studies, engineering investigations, master plans; engineering designs and plants; construction specifications and contract documents; construction administration and inspection; material procurement and expediting; plant status and commissioning; contract operation and maintenance of plants and buildings; design guidelines and specification development; land acquisition evaluations and search: turnkey and fast-track project management; value engineering; regulatory approvals applications; grants and financial assistance negotiations; litigation representation as technical and management experts; services to municipalities in testimony, appraisals, rate structure development, cost allocations. Typical projects are: watersupply, treatment plants, reservoirs, pumping stations and distribution networks: sewage treatment plants, gravity and pressure sewers, pumping stations; storm sewers; retention ponds; regional services; roads and highways; airports; bridges; commercial and institutional building; telecommunications RF systems, automation and security alarm systems.

OTHER CANADIAN OFFICES: Toronto, Ontario

AFFILIATES: DME Contracting Ltd, 4192 - 93 Street, Edmonton, Alberta T6E 5P5, Construction.

DM PROFESSIONAL SERVICES LTD.

D.B. Milmine, General Manager

HEAD OFFICE:
P.O. Box 5304, Station E
Edmonton, Alberta T5P 4C5
(403) 483-7444 TLX/TWX 037-43169

DESCRIPTION: The firm was incorporated in Alberta in 1978. The head office is located in Edmonton and the firm employs permanent personnel at offices in Camrose, Calgary, and Regina, Saskatchewan. Services include engineering associated with material specifications, nondestructive testing, and quality control/quality assurance systems for application to procurement of line pipe, valves and fittings for the petroleum and power industries. The firm provides services associated with vendor quality control and inspection at plant facilities in Canada, U.S.A., Germany and Japan.

OTHER CANADIAN OFFICES: Regina, Saskatchewan; Halifax, Nova Scotia; Camrose, Alberta; Calgary, Alberta

DOERKSEN MEDIGAS SYSTEMS LTD.

Len Doerksen, President
Joseph Ryan, Manager, Western Region
Frank DePaepe, Manager, Eastern Region

HEAD OFFICE:
P.O. Box 85, Station F
Winnipeg, Manitoba R2L 2AS
(204) 661-2560

ALBERTA OFFICES:
Suite 300, 5241 Calgary Trail
Edmonton, Alberta T6H 5G8
(403) 437-6929

DESCRIPTION: The firm was formed in 1975. The Edmonton office was opened in 1983 and the Toronto office in 1985. This firm is a CSA certified medical gas systems testing agency, specializing in the testing and certification of medical gas piping systems. In addition, the firm performs annual systems inspections and offers hospital designers a full consultation and systems evaluation service.

SPECIAL SERVICES: Testing and certification of medical gas systems.

OTHER CANADIAN OFFICES: Toronto, Ontario; Vancouver, British Columbia

OTHER FOREIGN OFFICES: Phoenix, Arizona, USA

DOMINION CONSTRUCTION COMPANY LIMITED

H.C. Bentall, Chairman-Bentall Grp. of Companies
R.G. Bentall, President & CEO-Bentall Grp. of Companies
R.J. Meyers, President-Dominion Construction
K.R. Biss, Vice-President-Dominion Construction

HEAD OFFICE:
3100 Three Bentall Centre
P.O. Box 49001
Vancouver, B.C. V7X 1B1
(604) 661-5000

ALBERTA OFFICES:
200, 838 - 11th Avenue S.W.
Calgary, Alberta T2R 0E5
(403) 263-3260 TLX/TWX
03-822508
700, 10180 - 102 Street
Edmonton, Alberta T5J 0W5
(403) 422-6178

DESCRIPTION: The firm was formed in 1911 in Vancouver. Dominion has had ongoing work in Alberta since the 1930's and has had offices in continuous operation in Calgary and Edmonton for over 25 years. Dominion offers single responsibility of site selection, planning, design, financing and construction services to its clients. Dominion is also active in land development in order to provide well located economic land for clients' uses. Specialized services: Design/Build Services for Commercial and Industrial Buildings.

SPECIAL SERVICES: Specialize in complete Development, Design and Building services for commercial and industrial facilities, including all phases from land assembly to property management.

OTHER CANADIAN OFFICES: Vancouver, B.C.; Saskatoon, Regina, Saskatchewan; Winnipeg, Manitoba.

OTHER FOREIGN OFFICES: Los Angeles, California

SUBSIDIARY INFORMATION: Canem Systems Ltd. - Calgary, Mechanical and Electrical Contractors. Edmonton Millwork - Edmonton, Custom Millwork. City Interiors - Vancouver, Interior Designers. Dominion Management - Calgary, Building Management Services.

AFFILIATES: Burnett-Ehline Development Company, Orange County, California, commercial building development projects.

DORCAL INDUSTRIES INC.

S.K. Illes, President
J.A. Nowak, Manager of Engineering & Business Development
L. Cseprgi, Sales Manager

HEAD OFFICE:
3504 - 64 Avenue S.E.
Calgary, Alberta T2C 1P4
(403) 279-2490 TLX/TWX
03-822864

DESCRIPTION: Dorcal Industries was founded in July 1972. As any Western Canadian company it went through various stages of development and growth. In spite of sometimes drastic up and down swings in Western Canadian economy, the company managed through diversification of product and aggressive management to secure steady growth through the past 14 years.

DRB ENGINEERING CONSULTANTS LTD.

David R. Baker, President

HEAD OFFICE:
116 Hawkwood Way N.W.
Calgary, Alberta T3G 1X4
(403) 239-4100

DESCRIPTION: The company was formed in 1985. Broad range of services in remote data acquisition, transmission and analysis. Specialized services are offered in atmospheric studies and wind turbine testing.

DRIEDGER NEUFELD KOZIAK ENGINEERING LIMITED

F. Gordon Driedger, Principal
Norman Neufeld, Principal
Basil Koziak, Principal

HEAD OFFICE:
250 Westgrove Professional Building
10230 - 142 Street
Edmonton, Alberta T5N 3Y6
(403) 452-7266

DESCRIPTION: Driedger Neufeld Koziak Engineering Limited is a structural engineering firm offering a wide range of engineering services to industry, governments, architects and institutions. These services include all aspects of civil/structural design, inspections, failure investigations, restorations and testing and research. DNK also specializes in systems design for the agricultural industry, including the research and development of bulk storage and handling facilities.

SPECIAL SERVICES: Complete design of concrete grain elevators and terminals including all aspects of civil/structural, mechanical and grain handling components.

DRILLCOMP ENGINEERING LTD.

Kevin M. Maquire, P. Eng., President
Dana Lees, Director
Jim Dalsin, Secretary

HEAD OFFICE:
320, 800 - 6th Avenue S.W.
Calgary, Alberta T2P 3G3
(403) 269-2717

DESCRIPTION: The firm was incorporated in Alberta in 1985. Services include drilling, completions and project management and on-site supervision, reservoir engineering, pipelines, oil and gas facilities, design and installation and instructional services.

DUBETZ ENGINEERING LIMITED

Arthur P.D. Dubetz, P.Eng., President
Debra G. Dubetz, Secretary/
Treasurer

HEAD OFFICE:
Suite 1610, Bow Valley Square I
202 - 6th Avenue S.W.
Calgary, Alberta T2P 2R9
(403) 265-0747

DESCRIPTION: The firm was formed and incorporated in 1983 in Calgary. Electrical engineering consultants in commercial, residential and institutional projects. Services include site coordination, building power distribution systems, exterior and interior lighting, low tension systems and life safety systems. Construction services include contract administration, progress payment approvals, review of shop drawings and samples, field monitoring and post occupancy services. Specialized services in tenant and leasehold improvements.

DUTHIE, NEWBY, WEBER & ASSOCIATES LTD.

G.C. Duthie, Senior Engineer
J.C. Newby, Senior Engineer
O.J. Weber, Senior Engineer
B.W. Slight, Senior Engineer
T.R. Lawson, Senior Engineer

HEAD OFFICE:
200, 10908 - 106th Avenue
Edmonton, Alberta T5H 3Z4
(403) 426-7046

DESCRIPTION: Duthie, Newby, Weber & Associates Ltd. was established in Edmonton in 1963 as a specialist structural engineering consulting firm providing professional structural engineering services for building projects of all types and for civil engineering works - bridges, overpasses and foundations. Specialized technical services are provided to the concrete projects industries in the form of plant and facility design, shop drawing preparation and technical assistance to manufacturers.

DYAD ENGINEERING LTD.

J.A. Leask, President
P.K.W. Vinsome, Vice President

HEAD OFFICE:
500, 736 - 8th Avenue S.W.
Calgary, Alberta T2P 1H4
(403) 263-6600

DESCRIPTION: Dyad Engineering was incorporated in Calgary November 1, 1985. It provides engineering services to the petroleum industry in the areas of reservoir engineering, oil and gas property appraisals, and due diligence reviews of exploration joint ventures. Special studies of complex oil and gas reservoirs and thermal recovery of heavy oil are facilitated by the use of a computerized numerical reservoir simulator developed and maintained by Dr. P.K.W. Vinsome, a principal of Dyad. The simulator, TRIAD, which combines black oil, multicomponent and thermal capabilities is up and running and used on a daily basis in our Calgary office on reservoir studies which include dual porosity fractured reservoirs, and enhanced recovery of heavy oil. In- house computer facilities and applications software are also maintained for economic analyses. An economic program, EKO, developed for Canadian economic conditions, reflects current royalty and tax regimes. Before and after tax economic analyses are standard options in the EKO program.

SPECIAL SERVICES: Extensive experience in oil and gas reservoir engineering, including computer modelling of heavy oil reservoirs and steam assisted oil recovery.

DYNAMIC ENGINEERING LTD.

Ivo M. Fodor, President

HEAD OFFICE:
15625 - 112 Avenue
Edmonton, Alberta T5M 2V8
(403) 451-5189

DESCRIPTION: Dynamic Engineering Ltd. is a small, Alberta based consulting engineering company, with its office in Edmonton. However, our flexibility alows us to work as residents in our client's offices, as required by a particular project. Our scope covers a full range of mechanical engineering services with the accent on rotating equipment related work. We also offer project engineering management services performed by an individual who has already proven his ability in service on many major petrochemical projects. We are committed to working closely with our client's engineers in order to meet all the client's requirements and standards. Quality, cost awareness and schedule consciousness, are the attributes of our endeavour. We are familiar with major North American and European specifications as well as with any industry standards governing our field of expertise. We are dedicated to maintaining an up-to-the-minute awareness of development in our field of expertise.

SPECIAL SERVICES: Specialist services in rotating equipment with auxiliary systems.

DYNATECH DESIGNS, LTD.

J.R. Baugh, President

HEAD OFFICE:
127 Westover Drive S.W.
Calgary, Alberta T3C 2S7
(403) 246-8226

DESCRIPTION: The firm was incorporated in June, 1976 to provide consulting services to the oil and gas and engineering, procurement and construction industries. Specialized services are provided for all phases of piping engineering for any type of process plant as well as software development for microcomputer applications.

DYOL ASSOCIATES LTD.

Lloyd W. Fletcher, President and C.E.O.
Jon L. Fletcher, Projects/Mechanical Manager
Joan Fletcher, Secretary Treasurer
Cathryn E. Greenaway, Services Manager
Jeffrey L. Fletcher, Director

HEAD OFFICE:
14108 - 63 Street
Edmonton, Alberta T5A 1R5
(403) 476-0779

DESCRIPTION: The firm was formed in 1971 in Edmonton under the name of Dyol Engineering Ltd. The company was incorporated as Dyol Associates Ltd., in 1983, as providing a broad range of engineering and management services in: energy management, audits, building applications; environmental covers, thermal structural elements, grid systems; natural and earthen energy systems; commercial and industrial heating, ventilating, air conditioning: inside air quality and environmental services; food services and refrigeration and storage systems; utility plants, steam, cogeneration systems; transport containers, liquid containers, transporters, air inflated carriers; hazards, dust control, fire protection systems; flexible or rigid blanketing systems. Engineering and management services are in the productions, utilization, storage and distribution of liquid and gaseous fuels; and, services which include small nuclear reactors for use in heat and electricity production.

SPECIAL SERVICES: Laboratory-library-study-business facility relates to engineering, management, communications sciences and technology developments; and, is a facility for developing programs in national and international trading areas.

AFFILIATES: Dyol Ravenson & Associates, 14108 - 63 Street, Edmonton, Alberta T5A 1R5, L.W. Fletcher, President & C.E.O. This company provides a range of business services, including agency, operations, management services for business, commercial and industrial operations, their extension and reciprocal programs, in national and international trading areas.

E & H ENGINEERING CO. LIMITED

N. Endsin, Director
M.R. Hanna, Director

HEAD OFFICE:
P.O. Box 39, Station G
Calgary, Alberta T2A 2G1
(403) 239-3440

EASTERN IRRIGATION DISTRICT

J. Webber, P. Eng., Assistant General Manager & District Engineer
D. Clark, P. Eng., Assistant District Engineer

HEAD OFFICE:
P.O. Box 8
Brooks, Alberta T0J 0J0
(403) 362-4532

DESCRIPTION: The organization was originally formed in 1935 to operate and administer the irrigation district. Within the organization there has always been an enginering element. With the increase in the canal rehabilitation and irrigated land expansion programs a level of engineering expertise is retained in-house. Such expertise administers and controls consultants on rehabilitation designs and construction, and performs works directly for its operations requirements.

SPECIAL SERVICES: All works relating to the design, construction, maintenance and operations of irrigation systems.

EBA ENGINEERING CONSULTANTS LTD.

E.W. Brooker, Chairman
A.B. MacDonald, President
C.B. Dawley, Vice President-Materials
D.W. Hayley, Vice President-Frontier
C.T. Hwang, Director
L.A. Balanko, Director

HEAD OFFICE:
14535 - 118 Avenue
Edmonton, Alberta T5L 2M7
(403) 451-2121 TLX/TWX
037-2981

ALBERTA OFFICES:
7175 - 12 Street S.E.
Calgary, Alberta T2H 2S6
(403) 253-7121

Bay 'C' 3215 - 16 Avenue North
Lethbridge, Alberta T1H 5E8

DESCRIPTION: The firm was formed in Edmonton in 1966. Offices were opened in Calgary in 1971, Whitehorse in 1981, Richmond in 1982, and Lethbridge in 1983. EBA is affiliated with Stewart-EBA Consulting Ltd. (formerly Dolmage, Mason & Stewart Ltd.) of Vancouver. EBA Engineering Inc. is a wholly owned subsidiary operating from Anchorage, Alaska. EBA specializes in geotechnical and groundwater engineering, foundation design, slope stability, permafrost engineering, pipeline thermal design, offshore engineering, granular resource inventories, terrain analysis, corridor studies,route evaluation, dewatering, mining geotechnical engineering, subsurface pollution studies, materials, engineering and testing, environmental impact related to earth sciences, vibration monitoring, geotechnical instrumentation, and geological and rock engineering. Typical projects include air terminal buildings, artificial drilling islands, compressor stations, dams, dock facilities, mines (open pit and underground), oil sands plants, petro-chemical plants, pipelines, railways, refineries, reservoirs, roads, sewage treatment plants, utilidors, water treatment plants, waste disposal sites, and water distribution systems.

SPECIAL SERVICES: Marine geotechnical engineering, geotextiles and liner design, permafrost engineering, and tunnel design.

OTHER CANADIAN OFFICES: Richmond, British Columbia; Whitehorse, Yukon Territory

OTHER FOREIGN OFFICES: Anchorage, Alaska, United States.

SUBSIDIARY INFORMATION: ESE Software Ltd., 14535 - 118 Avenue, Edmonton, Alberta T5L 2M7.

AFFILIATES: Stewart - EBA Consulting Ltd. (Vancouver) Rock engineering, rock slope stabilization, shotcrete design, tunnel design and specifications.

ECOS ENGINEERING SERVICES LTD.

A.R.V. Ribeiro, President
M.H. Nelson, Secretary-Treasurer

HEAD OFFICE:
11133 - 124th Street #201
Edmonton, Alberta T5M 0J2
(403) 452-0090

ALBERTA OFFICES:
#102, 1201 - 3rd Avenue South
Lethbridge, Alberta T1J 0J8

DESCRIPTION: ECOS Engineering Services Ltd. was formed in 1980. The firm is entirely Alberta owned and operated. This company offers a broad range of consulting engineering services in the civil engineering field. The Principals have many years of experience in and are actively working on water resource, irrigation, stormwater management and municipal projects in Alberta and across Canada.

SPECIAL SERVICES: Irrigation and Drainage including system rehabilitations, system planning, headworks, on-farm systems, system expansion, grid, interceptor and surface damage. Environmental and Hydrotechnical Engineering including stormwater management, flood control, water management studies, erosion control, hydraulic structures and snow and ice hydrology.

E-D-M WATER ENGINEERING SCIENCE & TECHNOLOGY LTD.

Charles D.D. Howard, President
Graham W. Boyce, Secretary-Treasurer
Larry E. Hurwitz, Director

HEAD OFFICE:
807 Centre 104
5241 Calgary Trail Southbound N.W.
Edmonton, Alberta T6H 5G8
(403) 438-9165

DESCRIPTION: The firm was formed in 1984 in Edmonton. WEST is a joint venture of Charles Howard & Associates Ltd., established in 1975, in the field of water resources engineering systems analysis, and I.D. Engineering, founded in 1955 to provide general civil engineering services. WEST offers a complete range of services for planning, development and operation of water resource management facilities including site reconnaissance and selection, surveys and mapping, mathematical and computer modelling, environmental studies, water rights applications, expert testimony, engineering design and contract administration, construction supervision, post project monitoring, and training and information programs.

EMANS, SMITH, ANDERSEN ENGINEERING LTD.

S. Emans, P.Eng., President
F.I. Smith, P.Eng., Secretary
A. Jones, P.Eng., Partner

HEAD OFFICE:
#300, 116A - 8th Avenue S.E.
Calgary, Alberta T2G 0K6
(403) 216-8897

DESCRIPTION: The firm was formed and incorporated in the spring of 1976 with an office in Calgary. Mechanical Engineering services include design of heating, ventilating and air conditioning systems, plumbing and fire protection systems for commercial, institutional, multi-storey - residential and industrial buildings. Projects range in size from renovations to large multi-storey complexes. A close personal involvement on all projects by the principals is stressed. (Brochure available)

OTHER CANADIAN OFFICES: Toronto & Ottawa, Ontario

AFFILIATES: Smith & Andersen Consulting Engineering Ltd., 505 Eglinton Ave. W., Toronto, Ontario/Ottawa, Ontario. JSA Energy Analysts Ltd., 505 Eglinton Ave. W., Toronto, Ontario/Ottawa, Ontario.

EMKU ENGINEERING LTD.

Emanuel Kulbanek, President
Jana Kulbanek, Secretary-Treasurer

HEAD OFFICE:
8712 - 62 Street
Edmonton, Alberta T6B 1N6
(403) 466-2840

DESCRIPTION: The company was incorporated in Alberta in 1979. A broad range of services offered include manufacturing equipment and process design, specialized equipment design and modification, hydraulic power transmission systems and controls, material handling systems, structural evaluations, and drafting services.

SPECIAL SERVICES: Specialized equipment and machine design.

ENDECO ENGINEERING LTD.

R.E. Hughes, President

HEAD OFFICE:
202 - 200 Carnegie Drive
St. Albert, Alberta T8N 3K1
(403) 459-5577

DESCRIPTION: Endeco is a multi-disciplined, full service company offering consulting engineering services to the heavy oil, refinery and petrochemical industries. Our principals and senior staff of more than fifty (50) engineers and technologists combine over eight hundred (800) years of experience, with an average level in excess of fifteen (15) years. The reputation of Endeco is solid and based on past achievements of Endeco and Endeco personnel in their respective disciplines and areas of expertise. The majority of our members are equally at home with grass roots projects or in the field, be it revamp work, inspection, commissioning, start-up or construction supervision. A number of our senior staff are highly specialized in their areas of expertise, and function as consultants in studies, insurance investigations, reports and other advisory capacities. Endeco is active on major assignments in oil sands, refineries, heavy resource industries, and on small revamp jobs in gas plants, petrochemical plants and on municipal projects. Our major achievements have been personal service and client satisfaction. This is reflected in our positive growth since our incorporation in 1980.

SPECIAL SERVICES: Endeco has specialists in the areas of: piping stress analysis; rotating equipment; pressure vessels; boilers, heaters, exchangers & heat transfer equipment; slurry pumping and slurry piping systems; process control and computer application; industrial HVAC systems.

AFFILIATES: Endeco International Ltd., 440 Fisher Park, 7220 Fisher Street, Calgary, Alberta T2H 2H8.

THE ENGINEERS COLLABORATIVE

H.S. (Stan) Ragan, Partner
W.R. (Bill) Hibbard, Partner
R.J. (Bob) Giebelbaus, Partner
J.C. (John) McCune, Partner

HEAD OFFICE:
6810 - 104 Street
Edmonton, Alberta T6H 2L6
(403) 436-5376

DESCRIPTION: The Engineers Collaborative, a limited partnership, offers complete structural engineering services, including planning, design, drawings, specifications and inspection of construction for: foundations for buildings and bridges, special foundation systems, building structures of all types, highway and railway bridges, industrial and petrochemical structures such as guyed stacks, special investigations and reports. The Engineers Collaborative offers over 25 years of professional engineering expertise. Founded as McBride Ragan Consulting Engineers Ltd. in 1961, the name was changed to The Engineers Collaborative in 1979.

I. ENGLISH GEOPHYSICAL LTD.

I. English, Manager

HEAD OFFICE:
716 - 52 Avenue S.W.
Calgary, Alberta T2V 0B5
(403) 255-5605

DESCRIPTION: Formed geophysical consulting firm in 1968. Services include seismic data evaluation & seismic field crew supervision.

ENVIRONMENTAL MANAGEMENT ASSOCIATES

Phillip M. Ullman, Partner
David A. Fernet, Partner
Nicholas A. Roe, Partner
Donald A. Young, Partner

HEAD OFFICE:
1510 - 10th Avenue S.W.
Calgary, Alberta T3C 0J5
(403) 245-1623

DESCRIPTION: Environmental Management Associates (EMA) began operation in January 1980 in the form of a partnership. A Vancouver office has been maintained since 1981. The company specializes in environmental engineering, aquatic, wildlife and vegetation biology and environmental management. Services provided include: Environmental Engineering - meteorological and air quality monitoring - climatological assessment - atmospheric dispersion modelling - noise surveys - water quality assessment - hazardous waste handling, Aquatic, Wildlife and Vegetation Biology - fisheries surveys - fisheries and invertebrate monitoring - wildlife assessments - ornithological surveys - large mammal surveys - habitat assessment - land use studies, Environmental Management - environmental impact assessment - permit application - preliminary environmental feasibility assessments - multidisciplinary project management - technical writing and editing.

SPECIAL SERVICES: EMA has specialized experience with the following industries and resource developments: heavy oil enhanced recovery developments; linear development including pipeline feasibility and construction review; oil spill clean-up; oil and gas exploration, development and operation; overall environmental management.

OTHER CANADIAN OFFICES: Vancouver, B.C.

ERDMAN RESOURCE CONSULTANTS LTD.

A.E. Erdman, Secretary-Treasurer

HEAD OFFICE:
4324 Coronation Drive S.W.
Calgary, Alberta T2S 1M2
(403) 243-5279, 263-0551

ERM CONSULTANTS LTD.

G.F. Stebnicki, President
W.S. Parker, Secretary-Treasurer

HEAD OFFICE:
1057 - 20 Avenue N.W.
Calgary, Alberta T2M 1E7
(403) 282-4919

DESCRIPTION: Incorporated in 1980 to provide a comprehensive energy management and system evaluation service. Offering electrical and mechanical expertise for design and cost benefit studies.

SPECIAL SERVICES: Building systems evaluation based on performance, retrofit recommendations, budget preparation, document preparation for construction.

ESKIMO STEEL LTD.

James Fargey, President/Owner

HEAD OFFICE:
4311 - 92 Avenue
Edmonton, Alberta T0C 0H0
(403)468-0909 TLX/TWX 037-2665

EWS CONSULTANTS LTD.

Erich W. Schiwy, P.Eng., President
Lenore J. Schiwy, Secretary/Treasurer

HEAD OFFICE:
635 Ranch Estates Place N.W.
Calgary, Alberta T3G 1M2
(403) 239-5673

DESCRIPTION: EWS CONSULTANTS was formed in 1977 in Calgary. The company was incorporated in Alberta in 1978 under the name of EWS CONSULTANTS LTD. EWS CONSULTANTS LTD. offers a broad range of services in structural engineering for all types of building structures related to civil engineering work, and architecturally designed buildings. Services include building structures and foundations, industrial buildings and plant design, power plant structures, mine structures, bridges and overpasses, structural evaluations and reports, and shop drawings, and field service work.

SPECIAL SERVICES: Structural failure investigations for legal purposes, especially of building failures.

SUBSIDIARY INFORMATION: EWS Consultants. For projects in British Columbia or provinces other than Alberta.

EXLOG CANADA A DIVISION OF BAKER (CANADA) LTD.

Stephen Dadge, Operations Manager
Nicholas Sargent, Operation Superintendent
John Laucetta, President
Stan Woolley, Vice President

HEAD OFFICE:
Bay 7, 640 - 42 Avenue N.E.
Calgary, Alberta T2E 7J9
(403) 277-9564 TLX/TWX
038-27535

DESCRIPTION: Exlog Canada has provided geological wellsite services since the early days of hydrocarbon exploration in Hudson's Bay. The company was incorporated in Canada in 1978 and has expanded to provide geological engineering services to the Canadian oil industry within the Western Canadian Basin, Beaufort Sea and throughout the various exploration areas off Eastern Canada. Services include hydrocarbon gas analysis and detailed geological descriptions from wellsite custom-made laboratories to the provision of wellsite geological supervision. Exlog also provides computerized wellsite data analysis services (GEMDAS) emphasizing drilling safety, drilling optimization and abnormal formation pore pressure evaluation. Data derived from this service can be transmitted from remote drilling location to oil company offices. Specialized services include Downhole Logging While Drilling (DLWD) using mud pulse telemetry to provide data from the bit, wellsite organic geochemical analysis and a complete geothermal well logging service.

SPECIAL SERVICES: Exlog recruits university graduates in the geological sciences from Canadian universities.

OTHER CANADIAN OFFICES: Halifax, Nova Scotia

OTHER FOREIGN OFFICES: HQ-Sacramento, USA; Houston, Denver; Singapore; Windsor; Aberdeen, UK; Plus minor offices distributed internationally.

T. FEKETE AND ASSOCIATES CONSULTANTS LTD.

G.S. Brar, President
G.G. Ambrose, Vice President
L. Mattar, Vice President, Engineering
G.D. Metcalfe, Manager, Engineering

HEAD OFFICE:
700, 633 - 6th Avenue S.W.
Calgary, Alberta T2P 2Y5
(403) 265-1550

DESCRIPTION: T. Fekete and Associates Consultants Ltd. is a consulting and management firm specializing in reservoir engineering, geology, economic evaluations and in well test design, supervision and interpretation and in software development and marketing. The company was formed in 1973. Mr. Brar and Mr. Ambrose rose through the ranks to purchase it in 1980. The company is owner-operated, which makes for an efficient and dynamic operation.

SPECIAL SERVICES: Reservoir engineering - oil and gas reserves determination, deliverability forecasting, coning, modelling, government applications. Geology - subsurface mapping, petrophysical and core analyses, structural and stratigraphical interpretation. Well test interpretation - Absolute open flow potential, multi-rate, transient, inflow performance relationships. Economic evaluations - of oil and gas properties. Computer software - well test analysis, economics, deliverability forecasting, gathering systems.

FEN EXPLORATION LTD.

Richard S. Fennell, President
Joann M. Fennell, Secretary-Treasurer

HEAD OFFICE:
424 Varsity Estates Place N.W.
Calgary, Alberta T3B 3B9
(403) 288-3093

DESCRIPTION: The firm was formed and incorporated in Alberta in 1977 to provide geological consulting services and to participate/generate oil & gas exploration plays in Southern Alberta.

SUBSIDIARY INFORMATION: Fennac, a division of Fen Exploration Ltd. Address same. Principal officers same. Firm provides consulting accounting services.

FENTON BERGMAN ENGINEERING LTD.

Terry Fenton, President
Mats Bergman, Secretary-Treasurer

HEAD OFFICE:
47 Scenic Glen Crescent N.W.
Calgary, Alberta T3L 1C6
(403) 239-1426

DESCRIPTION: The firm was founded and incorporated in Alberta in 1986. Located in Calgary, the company provides a broad range of services in municipal engineering and land development. Services include drainage projects, sewer collection systems and sewage treatment, storm sewers and retention ponds, water supply, distribution and treatment plants, paving and road design, land development, subdivision planning, land use applications and development permits.

FIDIAS CONSULTING ENGINEERING LTD.

Peter P. Dimitriou, President, Alta.
Carol A. Dimitriou, Secretary, Alta.
G. Theodorakopoulos, Secretary (Ont. Branch)

HEAD OFFICE:
16 Langholm Drive
St. Albert, Alberta T8N 3N9
(403) 458-1156

DESCRIPTION: This company was formed and incorporated in Alberta in 1978. Broad range of services in civil-structural engineering for all types of building structures and foundations, industrial buildings, bridges, structural evaluations, feasibility studies, military academy design, barracks, airport hanger design.

SPECIAL SERVICES: Airport hangers, terminals, military academies, army barracks, institutional and industrial, commercial, highrise and residential buildings.

OTHER CANADIAN OFFICES: Toronto, Ontario

FIELD, FIELD & FIELD

Robert M. Field, P.Eng., Partner
Roger J. Field, MRAIC, Partner
Jack E. Field, P.Eng., Partner

HEAD OFFICE:
500 Windsor Court
9835 - 101 Avenue
Grande Prairie, Alberta T8V 0X6
(403) 532-3690

DESCRIPTION: A firm of long standing, reorganized in 1977 as a father and sons team to continue in the building design field offering mechanical and electrical as well as architectural design services, to the people of the Peace River Country.

SPECIAL SERVICES: Architecture

G.G. FIRTH ENGINEERING LTD.

G.G. Firth, President
M.W. Firth, Secretary

HEAD OFFICE:
69 Westridge Road
Edmonton, Alberta T5T 1B3
(403) 481-0875

DESCRIPTION: The company was formed in 1980 and incorporated under the Province of Alberta law. The company provides corrosion engineering services exclusively to Commonwealth Seager Group. The area of expertise is corrosion control by means of cathodic protection and coatings.

FIRTH METALLURGICAL ENGINEERING LTD.

Mark Firth, President

HEAD OFFICE:
113, 1919 - 27th Avenue N.E.
Calgary, Alberta T2E 7E4
(403) 250-1288

DESCRIPTION: The company was formed in 1984, in Calgary. The company offers metals engineering and metals inspection services, and specializes in metals failure analysis, metals evaluations, and damage assessment. The principal has nearly 20 years experience in metallurgical consulting services.

SPECIAL SERVICES: Metallurgical failure analysis and metals inspection services.

FISH ENGINEERING LIMITED

C.D. Annable, President
R.C. Muir, Vice President, Finance
E.A. Vogelqesang, Vice President, Projects

HEAD OFFICE:
290 Midpark Way S.E.
Calgary, Alberta T2X 1P1
(403) 256-7484 TLX/TWX
03-821748

DESCRIPTION: The company was incorporated as Fish International Canada Limited in 1969 and expanded in 1972 by acquisition of a local firm. In 1983 the company was restructured and Fish Engineering Limited was formed to provide a full range of services with complete engineering, procurement and construction management capabilities for the oil, gas and petrochemical industries. All engineering disciplines are maintained within the company and construction is completed by affiliated companies within the Fish group. Specialized areas of expertise are sour gas treating, sulphur recovery, cryogenic methods for liquids recovery from natural gas, and gas compression.

AFFILIATES: Fish International Canada Limited - Calgary; Fish Engineering & Construction, Inc., Houston.

FITZPATRICK ENGINEERING LIMITED

Arthur FitzPatrick, M.A., M.Sc., P.Eng., President

HEAD OFFICE:
11124 - 54A Avenue
Edmonton, Alberta T6H 0W2
(403) 438-1581

DESCRIPTION: FitzPatrick Engineering Limited was formed to plan, organize and manage mechanical and industrial engineering projects. The firm has experience in the building envelope for a cold climate, computer modelling, operations research, information systems, economic studies and systems engineering including microelectronic sensing and control systems. The principal is a member of the Engineering Institute of Canada, the Canadian Society for Mechanical Engineering, the Canadian Institute of Chemical Engineering and the Canadian Information Processing Society. The firm is a member of the Consulting Engineers of Alberta and the Association of Consulting Engineers of Canada.

SPECIAL SERVICES: Interdisciplinary research and development. Recruitment and selection of engineers is carried out through a subsidiary firm.

FLINT ENGINEERING & CONSTRUCTION, LTD.

R.H. Shannon, President
J.L. Hutchings, Vice President
S.W. Schiller, Vice President
R.J. Rousseau, P. Eng., Vice President, Drilling & Production
D.J. Aitken, P. Eng., Manager of Engineering

HEAD OFFICE:
1100, 550 - 11th Avenue S.W.
Calgary, Alberta T2R 1M8
(403) 263-6910

DESCRIPTION: The original Flint company was established in the United States in 1924 and began Canadian operation in 1949. Flint Engineering & Construction, Ltd. was incorporated in Alberta in 1962. Consulting services have been offered since 1970 and have expanded to include the full range of services required by the oil and gas industry including project management; civil, mechanical, metallurgical, welding, electrical power, electronic and pneumatic instrumentation, petroleum process, drilling and production consulting engineering services. Capabilities include feasibility and economic studies, process plant and pipeline system design and specification, permits, licenses, procurement, expediting, shop inspections. Construction services are provided for all sizes and types of petroleum related projects through project and district offices located in Manitoba, Saskatchewan, Alberta and British Columbia. Drilling rigs and service rigs are owned and operated. Municipal services include water and sewer systems and treatment plants; electric control systems.

SPECIAL SERVICES: Engineering, consulting procurement and construction services for enhanced oil production and petroleum process, water treatment and injection facilities. Electrical, electronic and pneumatic control systems including manufacture and software design. Drilling and production consulting. Sewer, water and injection systems and treatment plant construction. Metallurgical and welding consulting and inspection services.

OTHER FOREIGN OFFICES: Tulsa, Oklahoma, USA

AFFILIATES: Flint Engineering & Construction Company, Billings, Montana.

D.L. FLOCK CONSULTING ENGINEERS LTD. A

D.L. Flock, President
M.L. Flock, Secretary-Treasurer

HEAD OFFICE:
c/o Department of Mining, Metallurgical and Petroleum Engineering, University of Alberta
Edmonton, Alberta T6G 2G6
(403) 432-3336 TLX/TWX 037 2979

DESCRIPTION: The firm was formed in 1959 and specialized in the area of reservoir engineering, heavy oil recovery and natural gas public utility work. Services today include special studies on technical laboratory facilities and research direction and implementation. A great deal of work has been done on technology training in many countries throughout the world.

SPECIAL SERVICES: Specialize in 'In House' training and technology transfer through the presentation of short courses.

FLUOR CANADA LTD.

E.C. Manning, Chairman of the Board
A.B. McArthur, President & General Manager
S.A. Thomson, Secretary
C.R. Macdonald, Treasurer

HEAD OFFICE:
10101 Southport Road S.W.
P.O. Box 8799, Station 'F'
Calgary, Alberta T2J 4B4
(403) 259-1110 TLX/TWX
038-24790

DESCRIPTION: Fluor Canada was incorporated in 1949 for the purpose of providing engineering, procurement and construction services in Canada. The Calgary office was established as the Canadian headquarters in 1973. In addition, Fluor Canada maintains offices in Montreal, Toronto and a project office in Regina. Fluor Canada is part of a worldwide organization with far reaching capabilities in many industries and countries of the world. Recently the activities of Daniel International, (a wholly owned subsidiary with extensive industrial capability) and Fluor have been integrated into 'Fluor Daniel' so that we can offer the full range of services in Canada and around the world. Over the last decade Fluor Daniel has undertaken a diversification program to broaden its base of services beyond energy related projects and more closely identified with manufacturing and industrial work. The services of this program has surpassed our expectation to the extent that during 1985 only 22% of Fluor Daniel's backlog was energy project related. Fluor Daniel intends on actively pursuing continued diversification to be able to flexibly meet the needs of our clients in all industries and geographical areas.

SPECIAL SERVICES: Fluor has undertaken a diversification program to broaden its base of services beyond energy related projects and more closely identified with manufacturing and industrial work. Fluor intends on actively pursuing continued diversification to be able to flexibly meet the needs of our clients in all industries and geographical areas.

OTHER CANADIAN OFFICES: Toronto, Ontario; Montreal, Quebec; Regina, Saskatchewan.

OTHER FOREIGN OFFICES: Irvine, U.S.A.; London, England; Dusseldorf, Germany; Houston, U.S.A.; Haarlem, The Netherlands; Tokyo, Japan; Melbourne, Australia; Beijing, China

SUBSIDIARY INFORMATION: Fluor Daniel, Daniel Building, Daniel Centre, Greenville, South Carolina, 29602, USA; Fluor Daniel, 3333 Michelson Drive, Irvine, California, 92730, USA.

J.P. FORD CONSTRUCTION MANAGEMENT LTD.

Jim Ford, President
Lin Ford, Secretary-Treasurer

HEAD OFFICE:
108 Oakhampton Place S.W.
Calgary, Alberta T2V 4B2
(403) 281-8078

DESCRIPTION: J.P. Ford Construction Management Ltd. was formed in 1982 to assist Owners, Designers, Engineers and Contractors with specific construction problems and to play an active role in the management or engineering of construction projects, particularly in remote areas or under adverse conditions. Offers design services for pipelines, compressor and pumping stations, and oilfield facilities. Project Management services, Construction Management services, Cost Estimates, preparation of proposals, procurement of materials and equipment, specification of materials and equipment, negotiation and administration of contracts and sub-contracts, organization of operations. Particular expertise railroad bridges, in pipelines, bridges piling, and offshore structures with an emphasis on remote or Northern work situations. Investigative reports on insurance claims. Formed a subsidiary division, SnowEng, in 1984 to provide engineering services related to ski areas including snowmaking and ski lifts. Also licensed to provide Engineering Services in the Northwest Territories and the Yukon.

SPECIAL SERVICES: Project management, construction management, insurance investigation, ski area engineering, including snowmaking and ski lifts.

SUBSIDIARY INFORMATION: A subsidiary firm, SnowEng, was formed in 1984 to offer specialized services to ski area, including snowmaking engineering, snowmaking system design, project management, construction management and EPC services for snowmaking systems and ski lifts.

FOX ENGINEERING & SURVEYING LTD.

R.A. Fox, President

HEAD OFFICE:
Second Floor, Room 1
3505 - 14th Street S.W.
Calgary, Alberta T2T 3W2
(403) 243-9884

DESCRIPTION: Incorporated August 27, 1985 to provide municipal engineering and legal survey services to land development projects.

W.J. FRANCL CONSULTING LTD.

Walter J. Francl, President & Director
M. Francl, Secretary-Treasurer

HEAD OFFICE:
#201, 11710 Kingsway Avenue
Edmonton, Alberta T5G 0X5
(403) 452-5196

DESCRIPTION: Active in civil engineering work for industry and governments throughout Alberta, Northeastern B.C., Yukon, and the western Northwest Territories since 1965. Work in the engineering fields includes land and site development, structures and buildings of all kinds, swimming pools and other recreational facilities, water and sewer works, solid waste handling, incineration and road works. Cooperated with affiliated companies overseas, particularly in food processing plants, feed mills and bottling plants.

AFFILIATES: Alberta International Management Consultants Ltd.,
610, 10065 Jasper Avenue, Edmonton, Alberta T5J 3B1,
(403) 424-7848.

G. FRASER CONSULTING LTD.

Gordon Fraser, P. Eng., President

HEAD OFFICE:
4448 Morley Trail N.W.
Calgary, Alberta T2L 1L4
(403) 284-2825

DESCRIPTION: The firm was incorporated in 1976 as G.E. Fraser Engineering Ltd. and offers a wide range of services in the design and supervision of municipal and land development projects. Services include design and feasibility studies for water supply, sewage treatment, storage and distribution facilities, streets, roads and storm water management.

FRICKE ENGINEERING SERVICES LTD.

A. Fricke, President
E. Fricke, Secretary-Treasurer

HEAD OFFICE:
6324 Lynch Crescent S.W.
Calgary, Alberta T3E 5T9
249-7621

DESCRIPTION: The firm was formed in 1981 and provides engineering and project management in the oil and gas industry.

PAUL FUENNING AND ASSOCIATES LTD.

Paul Fuenning, President
M. Audrey Fuenning, Secretary

HEAD OFFICE:
7027 Kenosee Place S.W.
Calgary, Alberta T2V 2L6
(403) 255-6232

DESCRIPTION: This firm was founded in 1975. Photogeological and remote sensing services are offered to the petroleum, mining and coal industries. Services include interpretation of air photographs and Landsat Imagery. Interpretation includes structural geology, lineament analysis, geomorphic evaluation, terrain analysis, sand and gravel prospecting, etc.

SPECIAL SERVICES: Remote sensing interpretation.

FYN ENGINEERING LIMITED

L. Semeniuk, P. Eng., President
E. Lamb, C.E.T., Vice President
J.D. Robertson, Technologist,
Secretary-Treasurer

HEAD OFFICE:
46D Westwind Industrial Park
21115 - 108 Avenue
Edmonton, Alberta T0E 2N0
(403) 447-3568

ALBERTA OFFICES:
2nd Floor, Municipal Building
P.O. Box 387
Lac La Biche, Alberta T0A 2C0

DESCRIPTION: FYN Engineering Ltd. was established in Edmonton in 1979. The services provided by the firm include project and construction management, as well as engineering design and inspection on municipal and land development projects for governments and private industry. Specialized services are provided in the fields of water and wastewater treatment, water supply and distribution, sewage collection, and computer assisted analysis for steady state flows and hydraulic transients (waterhammer) on pipelines.

GANDALF EXPLORATION SERVICES LTD.

Bob Symington, Director
Peter Ciavarella, Director
Lorne Fujimoto, Director

HEAD OFFICE:
Suite 520
610 - 8th Avenue S.W.
Calgary, Alberta T2P 1G5
(403) 294-1145

DESCRIPTION: The firm was formed in July of 1984 in Calgary and incorporated at the same time in the Province of Alberta. We provide specialized geological services which include wellsite geology, core studies, and in house land and prospect evaluation.

GARAND INTERNATIONAL TELECOMMUNICATIONS LTD.

V.S. Garand, President
B.A. Garand, Secretary-Treasurer
D.L. Klappstein, Vice President

HEAD OFFICE:
P.O. Box 614
Edmonton, Alberta T5J 2K8
(403) 489-3663

DESCRIPTION: The company was incorporated in the province of Alberta in 1978. A wide range of serivces is offered in the fields of telecommunications and aeronautical facilities. The experience offered includes planning, engineering design, technical and economic evaluation and market evaluation. Services have been provided in commercial, military, governmental and private applications, in Canada, the USA, Central and South America, Africa and the Middle East.

JOHN GAVORA CONSULTING LTD.

John S. Gavora, President
James W. Taylor, Executive Vice President

HEAD OFFICE:
2nd Floor, 1030 - 34th Avenue S.E.
Calgary, Alberta T2G 1V4
(403) 243-7999, 7879 TLX/TWX
038-27560

DESCRIPTION: John Gavora Consulting Ltd. was incorporated in the Province of Alberta in 1976. The company is comprised of professional engineers which are distinguished by their extensive experience in energy transportation as related to the oil and gas industry. The organization endeavors to bring to each assignment a skillful coordination of comprehensive expertise introducing modern concepts in engineering and design to effectively promote industry and development in underdeveloped countries. Engineering and consulting services include pipeline feasibility studies, facility optimization, design, construction management and facility operations.

SPECIAL SERVICES: In addition to oil and gas industry related projects John Gavora Consulting Ltd. specializes in transport of palm oil by pipeline and pneumatic transportation of coal.

OTHER FOREIGN OFFICES: Jakarta, Indonesia, Kuala Lumpur, Malaysia.

SUBSIDIARY INFORMATION: Petroleum Management (QEL) Sdn. Bhd, Suite 6-08 6th Floor, Wisma Central Jalan Ampan, Kuala Lumpur, Malaysia; Tech Resources Ltd., Jakarta, Indonesia.

AFFILIATES: ZEI, Inc., 2621 Carpenter Road, Ann Arbor, Michigan, U.S.A., 48104.

GCG DILLON CONSULTING LTD.

K.W. Foster, President
W.W. Irwin, Vice President
D.I Foster, Senior Associate
R. Welker, Senior Associate
J.S. Channe, Associate
K.E. Armstrong, Red Deer Manager

HEAD OFFICE:
No. 23 Building B
17420 Stony Plain Road
Edmonton, Alberta T5S 1K6
(403) 483-8094 TLX/TWX
037-42647

ALBERTA OFFICES:
402, 5000 - 50th Avenue
Red Deer, Alberta T4N 6C2

374 Gregoire Drive
Fort McMurray, Alberta T9H 3R2

DESCRIPTION: The firm was founded in Edmonton in 1986 by merger and continues the professional practices of the GCG Engineering Partnership Ltd. (founded in Edmonton in 1963) and M. M. Dillon Limited (founded in 1945).

Through our offices in Edmonton, Red Deer, Fort McMurray and Yellowknife we offer a broad range of professional services in the fields of transportation, environmental engineering, urban development and building design including: roads, bridges railways, dams, airports, buildings, drainage, reservoirs, retaining walls, transportation and traffic studies, water supply and treatment, pollution control, municipal services, hazardous materials, hydrology, flood protection, solid waste management and environmental impact analysis. The firm is employee owned and operated by its senior Alberta employees.

SPECIAL SERVICES: Infrastructure renewal, Arctic water supply, treatment and storage. Industrial wastewater treatment. Special waste management, hazardous materials and environmental contaminants. Transit and transportation studies.

OTHER CANADIAN OFFICES: Yellowknife, N.W.T.

AFFILIATES: M.M. Dillon Limited, Toronto - environmental, transportation, planning, and building design. Porter Dillon Limited, Halifax - environmental, transportation, planning and building design. Pluritec-Dillon Ltee, Montreal - environmental engineering.

GEMINI ENGINEERING LTD.

Carl D.W. Johnson, President
Elizabeth Johnson, Secretary-Treasurer

HEAD OFFICE:
700, 5940 MacLeod Trail South
Calgary, Alberta T2H 2G4
(403) 255-2006 TLX 038 21058

DESCRIPTION: Firm was incorporated in January 1982 to provide project management, design, and production management to resource companies. Annual value (project value) 18 - 25 million dollars. Staff of 19 covers process, mechanical and electrical engineering, project management and includes support staff - purchasing, drafting and clerical. Also offers turnkey lump sum pricing on projects up to 5 million dollars.

GENERAL PHYSICS CORPORATION

Frank F. Secchia, Secretary
Robert W. Deutsch, Chairman, President & C.E.O.
John H. Beakes, Group Vice President
David R. Roth, Group Vice President
Jay Whitney, V.P. & Chief Admin. Officer
Jack R. Calhoun, Senior Vice President
David L. Thames, Senior Vice President
Roger E. Klose, Vice President
Allan P. Tattersall, Vice President

HEAD OFFICE:
10650 Hickory Ridge Road
Columbia, Maryland, USA 21044
(301) 964-6000

ALBERTA OFFICES:
802, 10009 - 108 Street
Edmonton, Alberta T5J 3C5
(403) 424-9395

DESCRIPTION: General Physics was formed in 1966 by Dr. Robert Deutsch, to provide training and operations support to the nuclear industry. Since then, the company has diversified into the defence, fossil utility and industrial areas. Specific services include technical personnel training, operations and maintenance support, specialist engineering services, start-up/commissioning, simulator procurement and training, generic and specific technical courseware, supply of temporary technical personnel and technical/quality assurance audits. The Edmonton office was opened in 1983 to serve Alberta clients. All of the above services are available through the office, which, in addition, is registered in Alberta to practice engineering design work. Specialist areas include mechanical, instrumentation and electrical design.

SPECIAL SERVICES: Development of operator, maintenance and training procedures.

OTHER FOREIGN OFFICES: Linfield, PA; Lockport, NY; Oswego, NY; Pottstown, PA; St. Francisville, LA; San Diego, CA; Syracuse, NY.

SUBSIDIARY INFORMATION: GP Taurio, Inc. - Alexander, VA - defense activities; Power management Assoc. - Groton, CT - utility management consulting; General Technical Service, Inc. - Columbia, MD - temporary technical personnel; General Physics Courseware Corp. - Columbia, MD - computer software support for utilities; GP Finance, Inc. - Columbia, MD; Inventory Management Corp.- Columbia, MD;

GENEREX PROJECT MANAGEMENT

Bruce T. Crowder, President
Keith C. Burrows, Secretary-Treasurer

HEAD OFFICE:
10271 - 178 Street
Edmonton, Alberta T5S 1M3
(403) 483-0382 TLX/TWX 0373760

DESCRIPTION: Generex Project Management Limited is an Alberta based company, set up to handle project management of engineering and construction projects on behalf of its clients. Generex has assembled a group of specialists to handle such projects on a 'team concept basis'. Each of the team members brings to Generex many years of experience on the various phases of handling projects from design through construction and start-up. Using various project management techniques that have been developed and successfully used over the years, the Generex Project Management team is able to monitor and control a given project to suit the needs of the client.

SPECIAL SERVICES: The following categories are an outline to the general services Generex Project Management Limited offers to its clients: Engineering - mechanical, civil and electrical design, field engineering, drafting services; Procurement - purchasing, expediting, shop inspection, material control and inventory; construction; project management; maintenance shutdown; quality control inspection; planning and scheduling services; contract personnel - supply of all types of personnel for short term or long term assignments. Generex EMD MK III - Eddy Current Surface Crack Detection Equipment. Generex SMART Services - Computerization Project management, planning, scheduling and cost control systems.

GEOCON INC.

Lech Brzezinski, President
L. McPhie, Vice President
M. Allen, Secretary-Treasurer
M.A.J. Matich, Director

HEAD OFFICE:
3210 American Drive
Mississauga, Ontario L4V 1B3
(416) 673-1664

ALBERTA OFFICES:
909 - 5th Avenue S.W.
Calgary, Alberta T2P 3G5
(403) 294-2100 TLX/TWX
03-827910

DESCRIPTION: Geocon Inc. is a fully integrated consulting organization with extensive experience in all phases of geotechnical engineering and related fields of activity including: soil and rock mechanics; foundation, earthworks, permafrost and earthquake engineering; hydrology and hydrogeology; mining and geological engineering; offshore site investigations and marine engineering; waste disposal; materials testing and construction supervision. These services are provided to all sectors of the resource and service industries in Canada, the United States and internationally. Our firm was founded in 1954 and our head office is currently located in Mississauga, Ontario. We maintain engineering offices with fully equipped laboratory facilities in Halifax, Fredericton, Montreal, Mississauga, Sudbury, Sault Ste Marie, Calgary and Vancouver. The firm has a technical and support staff of 70, comprising some 40 professional engineers and geologists; 20 inspectors, technologists and laboratory technicians as well as drafting and clerical personnel.

OTHER CANADIAN OFFICES: Montreal, Quebec; Sudbury, Sault Ste Marie, Ontario; Halifax, Nova Scotia; Vancouver, B.C.

AFFILIATES: Geocon Inc. is a member of the Lavalin group of companies. Some of our 'sister' divisions located in Alberta are: Partec Lavalin Inc. - Engineering, Procurement & Construction. Petrotech Lavalin Inc. - Pipelines: Feasibility Studies, Engineering & Design, Management & Supervision. Lavalin Offshore - Offshore Oil & Gas: Engineering, Procurement & Management; Ice Engineering. FMS Engineers - Planning, Engineering, Project Construction Management. There are approximately 50 divisions of Lavalin. The 'mother' division, Lavalin International, is located in Montreal.

GEODATA EXPLORATION SERVICES LTD.

Gary W. Litschke, President
Helene V. Litschke, Secretary

HEAD OFFICE:
5204 - 33 Street N.W.
Calgary, Alberta T2L 1V4
(403) 265-3773

GEO-ENGINEERING (M.S.T.) LTD.

Milos Stepanek, President

HEAD OFFICE:
10, 1915 - 32 Avenue N.E.
Calgary, Alberta T2E 7C8
(403) 250-8850 TLX/TWX
03-824554

DESCRIPTION: The firm was formed in 1984 in Calgary and incorporated in Alberta in the same year. The company specializes in geotechnical engineering related to civil, oil, gas and mining projects. Specialized services are offered in the evaluation and rehabilitation of stability problems and terrain analysis.

SPECIAL SERVICES: Participation, as expert witness, in litigation cases and public hearings.

GEO-LAND CONSULTING LTD.

J.D. McArthur, President
J. Crawford, Secretary

HEAD OFFICE:
500B, 805 - 8th Avenue S.W.
Calgary, Alberta T2P 1H7
269-5855

DESCRIPTION: Incorporated in 1969 Geo-Land Consulting Ltd. is a vehicle through which I carry out a Geological and Land Consulting practice in Western Canada. I am the only professional employee and retain secretarial, bookkeeping and other services on a contract basis.

SPECIAL SERVICES: Specialize in Saskatchewan, Manitoba and North Dakota Geology (Williston Basin).

SUBSIDIARY INFORMATION: Anna Resources Ltd. Oil and Gas Production.

GEONA ENTERPRISES LTD.

George T. MacCallum, President
William E. MacCallum, Secretary/Treasurer

HEAD OFFICE:
330, 1207 - 11th Avenue S.W.
Calgary, Alberta T3C 0M5
(403) 245-4600

DESCRIPTION: GEONA ENTERPRISES LTD., was incorporated in 1973. Geona was the principal corporate partner in MacCallum, Stewart & Associates (Consulting Geologists), which became MacCallum and Associates in 1982. The partnership was terminated on May 4, 1984 and Geona is carrying on the consulting business. The firm specializes in Oil Sands and Heavy Oil Geology. Services range from regional subsurface stratigraphic studies to evaluation of pilot projects for enhanced oil recovery. Geona also offers detailed core logging for both oil sands and Heavy oil areas.

GEO-PHYSI-CON CO. LTD.

J.D. Henderson, B.Sc., President
A.N. Sartorelli, P.Eng., Vice-President
J.C. MacDonald, Vice-President
D. Becker, Secretary-Treasurer
M.S. Pesowski, P. Geoph.

HEAD OFFICE:
205, 5800 - 2 Street S.W.
Calgary, Alberta T2H 0H2
(403) 253-7621

DESCRIPTION: The firm was established in 1979 in Calgary, alberta. The company is federally incorporated and is registered in the Province of Alberta. a wholly owned subsidiary, GPC Inc. is registered in the State of Delaware. The company specializes in providing geophysical consulting, contracting and applied research services to a wide variety of natural resource development and civil construction project. (Technical literature available).

SPECIAL SERVICES: The key areas of company expertise are seismic and electrical surface geophysical methods. Current work is characterized by the coupling of geophysical methods to provide mutually complementary information suitable to satisfy complex mapping objective. Complementary geophysical methods have been applied to oil sands, coal, minerals, permafrost, groundwater, waste management and engineering studies. The company has also recently made significant advances in the field of shallow high resolution reflection seismic.

GEOSIGNAL EXPLORATION LTD.

Helmut M. Hofer, P. Geoph, President

HEAD OFFICE:
#510, 608 - 7th Street S.W.
Calgary, Alberta T2P 1Z2
(403) 237-8454

FIELD OFFICE:
3521F - 78 Avenue S.E.
Calgary, Alberta
(403) 279-2512

DESCRIPTION: The firm was incorporated and started operations as a seismic crew contractor in Calgary, Alberta in 1979. It has expanded from a one crew to a three crew operation using 2, 120 trace DFS-V's and 120 trace MDS-10 recording equipment. Specialized high resolution and 3D recording is offered in addition to conventional dynamite surveys.

GEOSITE LTD.

E.W. (Tedd) Jennings, President
Laverna Jennings, Secretary-Treasurer

HEAD OFFICE:
615, 999 - 8th Street S.W.
Calgary, Alberta T2R 0E4
(403) 244-4220

ALBERTA OFFICES:
1507 - 22 A Street N.W.
Calgary, Alberta T2N 2N8

GEOSTRATEGIC CONSULTANTS LTD.

D.S. Evans, President
F.J. Evans, Secretary-Treasurer

HEAD OFFICE:
5232 Viceroy Drive N.W.
Calgary, Alberta T3A 0V7
(403) 286-1910

DESCRIPTION: The firm was formed and incorporated (Alta.) in 1981 in Calgary. Services include a broad range of technical and management activities pertaining to the Canadian mining industry at large. Specialization includes integrated exploration program design, implementation and management; mineral commodity analysis, regional resource analysis, financial evaluation of mineral resource/reserve assets, geostatistical calculations, mining agreements, geochemical program design/interpretations, geological mapping/interpretations.

GEOTECHNICAL RESOURCES LTD.

Arne Mattisen, President
Dr. Daniel M. Masterson, Vice President
David A. Hood, Treasurer
Harry M. Eisenbauer, Secretary

HEAD OFFICE:
4500 - 5th Street N.E.
Calgary, Alberta T2E 7C3
(403) 230-4128 TLX/TWX
03-821172

DESCRIPTION: Established in May 1980 and incorporated in Alberta, GEOTECH is a company offering advanced applied technology in engineering and geosciences to the resource industry, government departments, and other service companies. GEOTECH has grown rapidly during its initial years of operation. From the original complement of 3 employees, the company has grown to over 100. Continued growth is projected for the future. The company is interested in advanced technology and equipment that will give it a proprietary position. GEOTECH is diversifying its operations through the introduction of new services and products related to its areas of expertise. The PetroScience division provides basic core analysis, specialty tests and analysis, research and engineering services, and petrophysical studies primarily for the petroleum industry. The engineering division provides environmental, civil, structural, mechanical, electrical engineering services; project management; equipment design, development, and fabrication; and research. All aspets of GEOTECH's operations and business are strongly supported by a modern sophisticated computer services group. This group has introduced innovative computer graphics, acquisition of data and control of instrumentation. GEOTECH's staff of highly trained professionals provides unique and highly specialized services, based on its broad range of experience in the fields of engineering, environment, arctic, project management, laboratory and field. The company's ability to apply a multidisciplinary approach to project planning, design, execution and management has been demonstrated in a wide range of assignments, including some very large projects.

SPECIAL SERVICES: Ice islands for offshore oil and gas exploration, specialized mechanical equipment related to offshore and to onshore, specialized electronics and data acquisition/control systems, testing facilities for mechanical properties of rock and ice.

K.J. GIBSON GEOLOGICAL CONSULTANTS LTD.

Kevin Gibson, President
Ineke Gibson, Vice President

HEAD OFFICE:
315 Huntbourne Way N.E
Calgary, Alberta T2K 3X9
(403) 275-8524

DESCRIPTION: The company was incorporated in Alberta in 1983. Specializing in Western Canadian petroleum exploration, the company provides geological consulting from operations to prospect and economic analysis, including corporate planning.

GICO GEOPHYSICAL INTERPRETATION CO. LTD.

P. Carroll, President
S. Carroll, Vice President

HEAD OFFICE:
920, 910 - 7th Avenue S.W.
Calgary, Alberta T2P 3N8
(403) 262-4335

DESCRIPTION: The firm was formed in 1980 in Calgary and incorporated in 1981. Its principal function is the interpretation of geophysical data for the oil industry both domestically and internationally. These services utilize all geophysical data available for any project. Specialized data processing and acquisition techniques are made use of for high resolution work in seismic surveying.

SPECIAL SERVICES: We are willing to undertake special projects for shallow seismic data acquisition should the need arise.

E.E. GILBERT RESOURCES LTD.

Edward E. Gilbert, President

HEAD OFFICE:
Suite 1002, 330 - 26th Avenue S.W.
Calgary, Alberta T2S 2T3
(403) 228-0030 Telecopier
403-264-7726

DESCRIPTION: Gilbert Management was founded in 1972 upon the principal's departure from Sun Oil Co. now Suncor - where he had been employed for 28 years. the principal was instrumental in entry activities in Alberta Oil Sands as well as many areas of oil and gas exploration. He was initially Chief Geologist then head Manager and subsequently Exploration Manager. He is now teaching at the University of Calgary as well as working as a consultant in negotiating with the government on several coal compensation claims and does other oil, gas and mineral projects from time to time. E.E. Gilbert Resources Ltd. has done similar work.

SPECIAL SERVICES: Mineral claims compensation and special government negotiations for unusual as well as usual oil, gas, coal, oil shale, oil sands projects.

GKS PETROLEUM CONSULTANTS LTD.

G. Keith Sirrine, President

HEAD OFFICE:
618 Lake Simcoe Close S.E.
Calgary, Alberta T2J 5H2
(403) 278-4949

SPECIAL SERVICES: Firm has extensive gravity and magnetic data bank in Canada and US.

GLADWALL ENGINEERING SERVICES LTD.

W.L. Lindberg, P.Eng., President
N.F. Hessels, Treasurer
G.J. Lindberg, Secretary

HEAD OFFICE:
6213 Wagner Road
Edmonton, Alberta T6E 4N4
(403) 465-5451 TLX/TWX 037 42564

DESCRIPTION: Gladwall Engineering Services Ltd. was incorporated in 1980 to provide assistance to mechanical and municipal consulting engineers involved in providing potable water and treating of sewage. Laboratory facilities are provided to assist engineers in the selection of equipment required to produce water which will meet the Canadian Drinking Water Standards. To meet these requirements a complete line of chemical pumping equipment is supplied including tankage of all types, manganese greensand, birm, water treatment resins, etc. A complete service is provided for treatment of heating & chilled water systems.

SPECIAL SERVICES: Gladwall Engineering has developed a non corrosive proportional water distribution system for pressure filters and among other items has produced Alberta manufactured color monitors for potassium permanganate manganese greensand filters, air/water level controls for hydropneumatic tanks, stainless steel cabinet water point systems, and an advanced method of cleaning pressure filters.

OTHER CANADIAN OFFICES: P.O. Box 699, Brandon, Manitoba R7A 5Z8

GLAISTER CONSULTING LTD.

R.P. (Perry), President
Ann E. Glaister, Secretary-Treasurer
HEAD OFFICE:
930 Rideau Road S.W.
Calgary, Alberta T2S 0R6
(403) 243-7871

DESCRIPTION: The company was formed and incorporated in 1985 to provide geological consulting services in petroleum geology with emphasis on environmental facies and reservoir studies in silicic clastic and carbonate sequences including heavy oil sands deposits. Courses in sedimentology illustrating modern concepts and techniques in applied facies analysis have been organized and conducted for industry and academic institutions.

GLOBAL ENGINEERING AND TESTING LTD.

Jack Kao, President
HEAD OFFICE:
No. 1, 2219 - 35th Avenue N.E.
Calgary, Alberta T2E 6W3
(403) 291-5091

DESCRIPTION: The firm was formed in 1985 in Calgary. The company was also incorporated in Alberta in 1985. Broad range of services in geotechnical engineering for all types of building structures related to civil engineering and foundation work. Services include buildings, schools, subdivisions, highways, sewage lagoon, water reservoir, etc. Specialized services are offered in the design and construction of the asphalt pavement, concrete mix and buildings underpinning.

G-METRIC ENGINEERING SERVICES LTD.

P. Lukomskyj, P.Eng., President
S. Radovanovic, Secretary-Treasurer
M. Satra, C.L.S., A.L.S., Chief Surveyor
M. Lukomskyj, C.L.S., A.L.S., S.L.S.
HEAD OFFICE:
302, 10310 Jasper Avenue
Edmonton, Alberta T5J 2W4
(403) 429-1633

DESCRIPTION: The firm was formed in Edmonton by a group of previously self-employed professionals engaged in engineering and land surveying practice. The company was incorporated in Alberta in 1983. Services provided include land development, legal and oilfield surveys, and northern municipal engineering.

AFFILIATES: Planmac Consultants Limited, 3055 Lakeshore Blvd. W., Toronto, Ont. M8V 1K6. Robert I. Maksymec, P.Eng., President. Company provides full range of services in the civil engineering field including: transportation, buildings, environmental and planning.

GNOSTAR ENGINEERING INC.

Stan Zwierzchowski, President
HEAD OFFICE:
132 Thames Close N.W.
Calgary, Alberta T2K 5N3
(403) 274-1910

DESCRIPTION: The firm was incorporated in Alberta in 1981. Gnostar provides electronic and computer engineering design and development services. Areas that Gnostar has expertise and capability in include microcomputer systems development, custom computer interfacing and controller design, high speed computer communications and networking, data acquisition systems, analog circuit design, digital circuit design, analog to digital signal conditioning and conversion, instrumentation, electronic control, product development and special applications. Projects have included PC based data acquisition systems, unique downhole applications, proprietary computer networks, low signal level analog conditioning and digitization circuits and high temperature instrumentation.

GOLE'S ENGINEERING & CONST. LTD.

James G. Gole, President
Ruby A. Gole, Secretary
HEAD OFFICE:
211 - 23rd Avenue N.E.
Calgary, Alberta T2E 1V8
(403) 277-4453

DESCRIPTION: Gole's Engineering & Const. Ltd. was incorporated in Alberta in 1982. The company specializes in the Design, Engineering, Construction and Maintenance of Feed Mills, Seed Cleaning Plants, Grain Elevators, and related Material Handling-Processing Facilities in the Agricultural Industry in Western Canada.

G.P. VALUE ENGINEERING LTD.

George Patsicakis, President

HEAD OFFICE:
10444 - 82 Avenue
Edmonton, Alberta T6E 2A2
(403) 433-0408

DESCRIPTION: The company was incorporated in Alberta in May 1982. It is founded on the concept of selecting the best possible mechanical system for the money invested. Our approach is to access client needs for reliability, flexibility, safety and ease of maintenance. We select several alternatives that are suitable for the application and consider mechanical system demands on the architectural, structural and electrical designs. Accordingly, all these demands are converted to initial capital expenditure. We then study the yearly operating and maintenance costs together with expected system life. Subsequently, we present our findings to the owner together with our recommendations before proceeding to the design stage.

SPECIAL SERVICES: Value Engineering as it applies to mechanical systems. Troubleshooting existing buildings and erradicating existing inherent problems.

GPEC CONSULTING LTD.

Ken Rattray, Secretary-Treasurer
William Newis, President
Stan Nelson, Director
Dick Billings, Director
Reg Dacyk, Director
Blake Gemmill, Director
Roy Laidlaw, Director
Lloyd Hamilton, Director
Doug Schuler, Director

HEAD OFFICE:
408, 10325 Bonaventure Dr. S.E.
Calgary, Alberta T2J 5R8
(403) 271-5350

ALBERTA OFFICES:
202, 4211 - 95 Street
Edmonton, Alberta T6E 5R6
(403) 463-3950

202, 10712 - 100 Street
Grand Prairie, Alberta T8V 3X8

Peace River, Alberta T0H 2X0

DESCRIPTION: GPEC Consulting Ltd. personnel have been providing consulting, planning and engineering services throughout the three western provinces and the Territories over the past 20 years. The company provides planning engineering, recreation and project management services to all areas of the private and public sector. The central focus of our recreation services is in the planning design and development of parks and golf courses including their related amenities and facilities. GPEC Consulting Ltd. was established in 1984 when it purchased the assets and files of EPEC Consulting Western Ltd. in Edmonton, Calgary, Grande Prairie and Peace River. GPEC continued to offer consulting engineering, planning and architectural services under the trade name of the EPEC Consulting Group until 1986 after which it terminated the use of the trade name. GPEC Consulting Ltd. maintains offices in Calgary, Edmonton, Grande Prairie, Peace River, Alberta and Hay River, N.W.T. in order to provide direct local services to our clients in the western regions of Canada. The size of the firm allows GPEC to provide personalized specialist consulting services which include environmental, planning, land development, recreational and golf course planning and design, complemented with a comprehensive municipal engineering and project management service. The commitment to provide continuous quality service as well as address the concerns and objectivs of the client is fundamental to the continued success of GPEC Consulting Ltd.

SPECIAL SERVICES: GPEC Consulting Ltd. provides the most comprehensive consulting and design service available to the Golf Industry in Western Canada. The firm assists clients with initial site selection, conceptual planning, feasibility studies, final designs, construction supervision, and project management. GPEC also provides a design and construct turnkey service. In addition to the design and construction service for golf course facilities, the firm also provides post construction services which includes preparation of maintenance programs and budgets, assistance in selection of maintenance equipment, and assists in the review and selection of key maintenance and management personnel.

OTHER CANADIAN OFFICES: Hay River, N.W.T.

GRAHAM CONSTRUCTION & ENGINEERING (1985) LTD.

Ronald L. Graham, President
Garry Boan, Vice President - Alberta
Tom Baxter, Vice President - Saskatchewan
Mike Wytrykush, Vice President - Finance

HEAD OFFICE:
216, 7220 Fisher Street S.E.
Calgary, Alberta T2H 2G7
(403) 253-1314

DESCRIPTION: Graham Construction and Engineering has come a long way since its beginning in 1926 when P.W. Graham and Sons formed a small company in Moose Jaw, Saskatchewan. Today Graham has complete capabilities in the areas of commercial, industrial, institutional and multi-residential contracting. Projects including office and retail buildings, shopping centres, apartments, hospitals, bridges and civil engineering works at thermal generating stations and potash mines have given Graham a broad base of knowledge and experience. Graham's head office is located in Calgary, with branch offices in Saskatoon, Estevan and Regina. Clients throughout Alberta and Saskatchewan rely on Graham's demonstrated track record and appreciate the company's integrity in completing projects on time and on budget.

OTHER CANADIAN OFFICES: Regina, Saskatchewan; Estevan, Saskatchewan

GRANT PHIPPS TSUTSUMI & ASSOCIATES LIMITED

Russ K. Grant, President
Shin Tsutsumi, Vice President
Rod Phipps, Secretary-Treasurer
Douglas B. Longson, Principal

HEAD OFFICE:
200, 625 - 14th Street N.W.
Calgary, Alberta T2N 2A1
(403) 283-1000 TLX/TWX
038-26514

DESCRIPTION: Grant Phipps Tsutsumi & Associates Limited was formed in 1979 in Calgary and was incorporated in Alberta in the same year. The company provides a broad range of design and project management services related to the production and treating and transporting of oil and gas. The scope of services provided includes feasibility studies, capital cost estimates, detailed design and drafting, scheduling, purchasing and expediting, cost control, construction supervision and inspection and evaluation of operating procedures and problems. The specific facilities with which the company has had experience are, pipelines of all types, wellhead production and treating facilities, compressor and pump stations, metering equipment, field oil batteries and treating, waterflood, EOR, and gas treating for water and hydrocarbon dewpoint control and liquid hydrocarbon recovery. (Brochure available)

GRIFFIN PROJECTS & ENGINEERING LTD.

T.R. Jennens, P. Eng., President
D.L. Jennens, Secretary-Treasurer

HEAD OFFICE:
1547 Lake Bonavista Drive S.E.
Calgary, Alberta T2J 2X8
(403) 271-8653

SPECIAL SERVICES: Special services may arise out of multi disciplined experience including drilling completions and workovers, production operations, and project engineering including plant design, specification and procurement, project management. Include specialty engineering such as critical sour workovers, and plant and pipeline sour gas and oil facilities permitting, design and construction.

AFFILIATES: Bissett Resource Consultants Ltd. (Manager of Project Engineering)

LOUIS G. GRIMBLE PROFESSIONAL ENGINEER LTD.

Louis G. Grimble, P.Eng., President

HEAD OFFICE:
8107 - 43 Street
Edmonton, Alberta T6B 2M3
(403) 465-9467

DESCRIPTION: The firm was formed in 1967 having operated since 1963 as L.G. Grimble & Associates Ltd. In 1967 it became a corporate partner in The Grimble Consulting Group. The firm has specialized in bridges, highways, railways, and transportation studies both in Canada and foreign assignments.

SPECIAL SERVICES: The firm has carried out numerous Rail Relocation Studies in Western Canada. The firm has carried out numerous foreign projects in the past for The Canadian International Development Agency and the World Bank on Highway Studies.

G.S. ENGINEERING LTD.

Gregory Shvartsburd, President
HEAD OFFICE:
#301, 17403 - 105 Avenue
Edmonton, Alberta T5S 1G4
(403) 483-9571

DESCRIPTION: The firm was formed in 1982 in Edmonton. The company was incorporated in Alberta in 1982. Broad range of services in structural engineering for all types of structures related to architectural type of building services include buildings structures and foundations, industrial buildings & structural evaluations.

GVM GEOLOGICAL CONSULTANTS LTD.

Gretchen Minning, President
Jim Ward, Director
Jack Wyder, Director
HEAD OFFICE:
1228 - 18A Street N.W.
Calgary, Alberta T2N 2H4
(403) 282-4656

DESCRIPTION: GVM Geological Consultants was formed in 1980-81 in Calgary. The firm was incorporated as an Alberta and Canadian company in 1981. The company has provided technical consulting services related to surficial and subsurface geology for use in granular materials exploitation, pipeline, highway, mining and other development projects. It has also provided geological services for use in reclamation projects at a major mine in Alberta.

SPECIAL SERVICES: The firm also has experience in preparing surficial geology maps of Government of Canada quality. Extensive experience in northern projects - Territories, Yukon, Newfoundland.

G.Y. ENGINEERING LTD.

George C. Yeung, President
Cynthia, P. Yeung, Secretary
HEAD OFFICE:
424 Deermont Court S.E.
Calgary, Alberta T2J 5W7
(403) 278-1842

DESCRIPTION: The firm was formed and incorporated in August, 1981 in Calgary. Services provided by the firm are mainly in the area of oil and gas property evaluations, reservoir engineering and enhanced oil recovery studies, project management in oil and gas exploration and production and oil and gas financing.

H2O ENGINEERING LTD.

G. Yuzwa, President
HEAD OFFICE:
539 Edgemont Bay N.W.
Calgary, Alberta T3A 2K7
(403) 239-3645

DESCRIPTION: The firm was formed in 1983, the sole office being in Calgary. The company was incorporated in Alberta and registered with APEGGA in the same year. Services include engineering, commissioning, operating procedures, audit analysis, training, lab analysis of water treatment processes, plants, and equipment including ion exchange, pretreatment, reverse osmosis, etc. for cooling, heating, boiler, and turbine systems of thermal power plants, industrial plants, institutions, and commercial installations.

HALFERDAHL & ASSOCIATES LTD.

L.B. Halferdahl, President & Manager
HEAD OFFICE:
18, 10509 - 81 Avenue
Edmonton, Alberta T6E 1X7
(403) 439-9789

DESCRIPTION: Consulting and management services are offered in all phases of mining geology and exploration for metallic and industrial minerals and coal including field exploration, property evaluations and examinations, contracting drilling, and preparing reports. In addition to precious and base metal, the firm specializes in industrial minerals and coal. Halferdahl & Associates Ltd., supplies up-to-date information of the holdings of coal leases in Alberta and coal licences in eastern British Columbia. Information sheets on this service are available on request.

HAMILTON & OLSEN SURVEYS LTD.

L.O. Olsen, President
A.M Olsen, Secretary
HEAD OFFICE:
9675 - 102A Avenue
Edmonton, Alberta T5H 0G3
(403) 424-7158

DESCRIPTION: The original firm (Hamilton & Olsen Ltd.) was formed in 1953 in Edmonton and was reorganized under the name Hamilton & Olsen Surveys Ltd in 1962. The company offers all types of surveying services to the oil, gas, coal, construction and development industry, primarily throughout northern Alberta. members of the firm hold survey commissions to practice land surveying in Alberta, Saskatchewan, British Columbia and Canada lands (Yukon, Northwest Territories and other federal lands).

HANNA & ASSOCIATES ENGINEERING LIMITED

A.W.G. Hanna, P.Eng., President, Sr. Engineer
M.L. Hanna, Secretary

HEAD OFFICE:
13216 Lake Crimson Drive S.E.
Calgary, Alberta T2J 3K6
(403) 278-1580

DESCRIPTION: The firm was incorporated in 1983 in Alberta with head office in Calgary. The company offers engineering services for planning and design of transmission lines, structural engineering of substations, wood pole distribution lines and industrial buildings and facilities. Services include design criteria, optimizations and economic analyses, detailed design and specifications, foundations and construction supervision. Project undertakings also include detailed design of steel and concrete structures for fabricators and industrial organizations.

SPECIAL SERVICES: The analysis and design of towers, space structures and cable assemblies utilizing advanced computer programs.

HANSON MATERIALS ENGINEERING (ALBERTA)

G.D. Stuart, Chairman, C.E.O.
S. Hanson, President
N. Hanson, Vice President Operations
B. Woit, Vice President Operations - Calgary
G.T. Sieben, Vice President Operations - B.C.
L.W. Hunt, Director of Engineering

HEAD OFFICE:
7450 - 18 Street
Edmonton, Alberta T6P 1N8
(403) 440-2916 TLX/TWX037-3755
FAX (403)410-4175

ALBERTA OFFICES:
3650 - 21 Street N.E.
Calgary, Alberta T2E 6V6

P.O. Box 5947
Fort McMurray, Alberta T9H 4V9

P.O. Box 3054
Peace River, Alberta T0H 2X0

DESCRIPTION: Hanson Materials Engineering is a company of consulting engineers, technologists and inspectors that has evolved over the past twenty- five years. The growth of our firm has been directly related to the development and expansion of the oil and gas industry and the associated petrochemical activity in western Canada. During the same time span we have acquired expertise in the power generation industry, the pulp and paper industry, the offshore petroleum sector, and other industrial sectors. Hanson Materials Engineering offers a specialized engineering consulting service that includes preparation of specifications, failure analysis, plant evaluations and audits, and materials evaluations in the areas of metallurgy, welding, corrosion, polymers, and quality assurance. The nondestructive testing division employs state-of-the-art equipment and technology, and with the largest group of technicians in Canada, has successfully completed many of the most prominent projects awarded in the last ten years. The quality assurance division has accepted projects on a world wide basis involving products destined for use in critical applications which have been manufactured to standard industry specifications and to complex proprietary specifications. Our company is well represented in British Columbia and more generally in the pulp and paper industry by our wholly owned subsidiary, Coast Testing. Coast Testing is a recognized leader in the field of computerized nondestructive test systems for use in pulp and paper mills as well as other plant applications.

OTHER CANADIAN OFFICES: Dartmouth, Nova Scotia; Saint John, New Brunswick; Fort St. John, B.C.; Vancouver, B.C.; Toronto, Ontario; Kamploops, B.C.; Prince George, B.C.

OTHER FOREIGN OFFICES: Osaka, Japan.

SUBSIDIARY INFORMATION: Coast Testing, Vancouver, B.C. - engineering and inspection.

HARBINSON DEVELOPMENT SERVICES LTD.

Fred Harbinson, Structural Engineer

HEAD OFFICE:
126A - 16th Avenue N.E.
Calgary, Alberta T2E 1J5
(403) 276-9194

ALBERTA OFFICES:
883 Parkridge Road S.E.
Calgary, Alberta T2J 5B8
(403) 278-3201

Harbinson Development Services Ltd., structural engineering specialists, has been in existence since June 1, 1977 and has operated in its present form since December 1, 1979 when the principals elected to go into private practice after many successful years with established engineering and development organizations. The company enjoys a reputation for engineering excellence and provides complete structural and consulting engineering services from its Calgary office. The firm's experience covers a broad range of structures, including: churches, recreational facilities, shopping centres, industrial plants, commercial & institutional buildings.

R.E. HARDER CONSULTING ENGINEERS LTD.

R.E. Harder, President
S.K. Harder, Secretary-Treasurer

HEAD OFFICE:
204, 3016 - 19th Street N.E.
Calgary, Alberta T2E 6Y9
(403) 250-1729

HARDING INSTRUMENTS CO. LTD.

Pat Harding, President, Director
Keith Stromsmoe, Director
John Long, Director (Chairman Board)
Bill Carruthers, Director

HEAD OFFICE:
4608 - 97th Street
Edmonton, Alberta T6E 5W9
(403) 438-6300

DESCRIPTION: Harding Instruments was incorporated in Edmonton, Alberta by Jack Kingma and Pat Harding (both Professors of Electrical Engineering at the University of Alberta) in 1969. The company was originally known as K & H Engineering Ltd. and was used by Kingma and Harding to do consulting in electronic design and control. In 1972 Keith Stromsmoe and Fred Veneldik (also Professors of Electrical Engineering at U of A) joined the company, and shortly thereafter a decision was made to develop a product line of fluid flow totalizers which the company would manufacture and market into the local oil patch through Pembina Meter Ltd. During 1974 Al Kozak joined the company at which time it leased 800 square feet of industrial space and commenced to manufacture the fluid flow totalizers and to take on special electronic design and construction type projects. In 1975 the company decided to develop a line of telephone status products on the strength of a firm order for Edmonton Telephones for 200 units. At that time, the company expanded its facilities to about 1800 square feet. In 1979, it again expanded (to 4500 square feet) by moving to its present location. These facilities were doubled in 1984 when it expanded into an adjacent bay, giving the company a total of 9000 square feet of space. The name of the company was changed from K & H Engineering in 1975 to Kingma Harding Engineering and then again in 1978 to its present name, Harding Instrument Company Limited. Veneldik and Kozak were bought out in 1980 and Kingma in 1982, and of the original five owners only Stromsmoe and Harding remain. In January 1985 the company sold an equity interest to two local groups (John Long and a SBEC owned by the Enoch Band).

SPECIAL SERVICES: Electronic product design and manufacture.

HARDY ASSOCIATES (1978) LTD.

B.B. Torchinksy, P. Eng, Chairman of Board
Dr. W.A. Slusarchuk, P. Eng., President
B.E.W. Dowse, P. Eng., Senior Vice President
G.W. Elkington, P. Eng., Vice President
A.J. Muir, P. Eng., Vice President
T.J. Tomkins, CHA, Assistant Secretary & Controller
R.S. Tenove, P. Eng., Manager
S.S. Gurjar, P. Eng., Manager

HEAD OFFICE:
4810 - 93 Street
Edmonton, Alberta T5J 2L4
(403) 436-2152 TLX/TWX
037-3750

ALBERTA OFFICES:
301, 5115 - 50 Avenue
Bonnyville, Alberta T0A 0L0

221 - 18 Street S.E.
Calgary, Alberta T2E 6J5

232 - 22 Street N.
Lethbridge, Alberta T1H 3R7

5406 - 52 Avenue
P.O. Box 1518
Lloydminster, Alberta S9V 1K5

431 Mackenzie Boulevard
Bay 6
Fort McMurray, Alberta T9H 4C5

964D-23 Street S.W.
Medicine Hat, Alberta T1A 8G3

6, 10301 - 77 Street
Peace River, Alberta T0H 2X0

4, 5551 - 45 Street
Red Deer, Alberta T4N 1L2

DESCRIPTION: Hardy Associates (1978) Ltd., one of the oldest and largest Western Canadian consulting organizations, was founded in 1951. Over the years, the emphasis has changed from providing services in earth sciences and materials testing to that of a diverse multidisciplinary consulting organization. In addition to the traditional geotechnical, materials, metallurgical engineering, geothermal analyses, permafrost, tailings and waste disposal, reclamation and revegetation, biological oceanography, industrial hygiene, air pollution evaluation, environmental assessment and biophysical mapping and contaminants. In late 1986, BBT Geotechnical Consultants Ltd. and Hardy Associates (1978) Ltd. merged to form Hardy BBT Limited. This new company provides an increased scope of services through additional established offices with experienced personnel. The company is organized into three divisions, each with responsibility for projects in its particular field. These divisions, geotechnical, materials engineering, and environmental sciences employ specialists with the diverse background required by clients in land development, construction, resource development, industry, mining, environment and waste management. The firm has a staff of 290 employees of which approximately 105 are professionals. Included in this group are geotechnical and materials engineers, geologists, geophysicists, plant ecologists, geographers, chemists and physicists. The company maintains extensive laboratory facilities at all branch office locations in western Canada with an equipment inventory valued in excess of $1,000,000.

SPECIAL SERVICES: Many years experience in providing a wide range of engineering and environmental sciences services to the conceptual planning, design, construction, operation and abandonment of a comprehensive scope of capital projects for all levels of government, industry and small businesses. A proven track record in project management.

OTHER CANADIAN OFFICES: Vancouver, British Columbia; Saskatoon, Saskatchewan; Regina, Saskatchewan; Prince Albert, Saskatchewan.

AFFILIATES: Sergent, Hauskins and Beckwith - geotechnical engineers, New Mexico, Utah, Texas. Head office: Phoenix, Arizona. Moore and Taber - consulting engineers and geologists, Head office: Anaheim, California.

OTHER FOREIGN OFFICES: Anchorage, Alaska, U.S.A.

HARGRAVE CAREFOOT ENGINEERING CONSULTANTS LTD.

R.B. Carefoot, President
W.C. Hargrave, Secretary-Treasurer

HEAD OFFICE:
4827 Voyageur Drive N.W.
Calgary, Alberta T3A 0P7
(403) 286-8485

ALBERTA OFFICES:
Box 1516
Cochrane, Alberta T0L 0W0

DESCRIPTION: Our firm was established in 1986 in Calgary and Cochrane. Our experience and services include design and construction management of projects in the land development, transportation and municipal engineering fields.

HASEGAWA AND ASSOCIATES LTD.

W.N. Hasegawa, P. Eng., President
G.M. Hasegawa, P. Eng., Vice President
E.S. Scherer, Secretary

HEAD OFFICE:
201, 2816 - 21st Street N.E.
Calgary, Alberta T2E 6Z2
(403) 250-5261

ALBERTA OFFICES:
P.O. Box 1250
Raymond, Alberta T0K 2S0

DESCRIPTION: The firm was founded and incorporated in 1966 in Calgary, a Kelowna office was opened in 1973 and was closed in 1981. The firm offers services in the following disciplines: architectural, structural, mechanical, electrical, construction management, municipal. Our practice involves the design of buildings, industrial plants, hospitals, pre-engineered metal buildings, sewage treatment plants, water treatment and supply pipeline, recreation facilities, feasibility studies. Specialized service to product, manufacturer and structural systems. A branch office is located in Raymond, Alberta.

HASLETT ENGINEERING LTD.

Dr. James W. Haslett, P.Eng., President
Kay Haslett, Secretary

HEAD OFFICE:
6547 - 54 Street N.W.
Calgary, Alberta T3A 1R5
(403) 288-2347

DESCRIPTION: The company was incorporated in Alberta in January 1981. Services include oilfield instrumentation, analog and digital circuit design, solid state imaging systems and semiconductor device studies.

D.G. HAVLENA HYDROCARBON CONSULTANTS LTD.

Z.G. Havlena, President
M. Th. Havlena, Secretary-Treasurer
Jean S. Havlena, Director - Manager in Belgium
Alena L. Campbell, Director - in U.S.A.
Albert Floener, Director - GR.D. of Luxembourg/Belgium
Cath. Floener, Director - GR.D. of Luxembourg/Belgium

HEAD OFFICE:
c/o Consulate of Gr. D. of Luxembourg
8944 Bay Ridge Drive S.W.
Calgary, Alberta T2V 3M8
(403) 281-7217 TLX/TWX (03) 824649

ALBERTA OFFICES:
c/o Consulate of the Grand Duchy of Luxembourg
and Consulate of Republic of Madagascar
700, Palliser Square One
125 - 9th Avenue S.E.
Calgary, Alberta T2G 0P6

DESCRIPTION: The firm was organized in 1978 in Calgary and in Europe. South American office was opened in 1979; correspondent's office in S.E. Asia, East Africa and M.E. started operating in 1980. Broad range of services are consulting activities in the upstream part of the petroleum industry and are provided on a world-wide basis. Specialties are: petroleum geology, petrophysics, reservoir and production engineering, heavy oils, secondary, tertiary and EOR studies, economics evaluations, feasibility studies, pilot plants and control of operations. Procurement of equipment mainly for gas plants design and construction is also done.

OTHER FOREIGN OFFICES: Grand Duchy of Luxembourg/Belgium

AFFILIATES: D&S Group, CCC in Europe & S. America, and many others for specific projects.

HD ENGINEERING SERVICES LTD.

H.D. Driedger, President

HEAD OFFICE:
188 Midlake Boulevard S.E.
Calgary, Alberta T2X 1J1
(403) 256-2021

DESCRIPTION: The company was incorporated in Calgary, Alberta in 1978. We provide a broad range of services relating to civil engineering work. Specialized services are offered in steel structures and welding design.

SPECIAL SERVICES: Steel structures and welding design.

HELIOS PETROLEUM LTD.

Robert H. Johnson, President
Leslie J. Robertson, Secretary

HEAD OFFICE:
1910, 500 - 4th Avenue S.W.
Calgary, Alberta T2P 2V6
(403) 266-6556

DESCRIPTION: The firm actively started business in Calgary as a consulting firm in 1982. Services offered by the company include geological subsurface mapping, prospect generation, reserve evaluations and log evaluations. The firm also supplies specialized services on computer applications including oil and gas well economics and reserve evaluations.

SPECIAL SERVICES: Developed software programs for sale to the industry. Programs include oil and gas well economics for Alberta and Saskatchewan, reserve determinations and log evaluations.

HEMISPHERE ENGINEERING INC.

J.W. Chomiak, President
E. Hedegaard, Principal
R.A. Campbell, Principal
D.N. Pearson, Principal
G. McPhee, Principal
L.W. Sereda, Principal
S.A. Marsden, Principal

HEAD OFFICE:
10950 - 119 Street
Edmonton, Alberta T5H 3P5
(403) 452-1800 (FACS) (403) 453-5205

ALBERTA OFFICES:
404, 1305 - 11th Avenue S.W.
Calgary, Alberta T3C 3P6
(403) 245-6446

DESCRIPTION: The company was established in 1957 and is wholly owned by personnel, active in its day to day practice. Hemisphere Engineering Inc. is an Alberta based company with offices in both Edmonton and Calgary. Hemisphere Engineering Inc. consists of 78 people who execute 250 projects annually. Our services include, design and inspection of heating, air conditioning and ventilation, plumbing, fire protection and life safety systems for all types of commercial, recreational, institutional and light industrial buildings. The special services we offer include, energy analysis, systems analysis, energy audits and energy management. Hemisphere Engineering has added electrical engineering as one of the company's new services. This allows us to offer the knowledge gained by our new electrical personnel over 15 years of electrical systems design. The electrical systems design includes, power distribution, lighting, paging communication, fire detection, emergency power generation and security. The use of computers in engineering is also an inherent part of our design, research and energy analysis functions.

SPECIAL SERVICES: Hemisphere Engineering has recently developed the Hemisphere Maintenance Management Software System. This system provides a demand maintenance program, an inventory control program and a preventive maintenance program.

J.D. HENDERSON ENGINEERING LTD.

J.D. Henderson, President
B.J. Henderson, Secretary-Treasurer

HEAD OFFICE:
205 - 11 Fairway Drive
Edmonton, Alberta T6J 2S6
(403) 436-2111

DESCRIPTION: Established in 1958 as J.D. Henderson & Associates and incorporated in Alberta in 1965 under the present name. The company offers specialized services in mechanical engineering for buildings including heating, air conditioning, refrigeration, plumbing, fire protection, and for industries including dust collection systems, thermal utility distribution, process piping.

SPECIAL SERVICES: Mechanical system renovation and retrofit.

HERITAGE ENGINEERING LIMITED

David Hampshire, P.Eng., President
Ross Rygh, Manager

HEAD OFFICE:
205, 315 - 10 Avenue S.W.
Calgary, Alberta T2G 0W2
(403) 263-1870

DESCRIPTION: The company was formed in 1974 in Calgary. A broad range of Civil and Structural Engineering services are offered. These include design of gas distribution systems, municipal engineering, bridges, industrial and commercial buildings, and surveying.

OTHER CANADIAN OFFICES: Regina, Saskatchewan

HFP ACOUSTICAL CONSULTANTS LTD.

Leslie Frank, President
Cliff Faszer, Vice President

HEAD OFFICE:
809 - 7015 MacLeod Trail S.
Calgary, Alberta T2H 2K6
(403) 259-3600

DESCRIPTION: The firm was established in 1979, formerly as Harford, Frank & Partners. In 1985, the name was changed to HFP Acoustical Consultants Ltd. The company offers a broad range of services in acoustical consulting. These services include architectural acoustical design, office space speech privacy assessments, oil & gas facility noise predictions, industrial noise control, building services noise and vibration control, transportation noise studies, environmental noise impact assessments and occupational noise exposure assessments. During the past seven years, the firm has worked for over three hundred different clients. The clients range from private individuals to large corporations and municipal, provinical and federal governments.

SPECIAL SERVICES: Acoustical Consulting Engineers.

HHC TEAM CONSULTANTS INC.

Dave Hellard, President
Stephen Balderston, Treasurer
Dennis Verhoff, Partner
Jim Houston, Partner

HEAD OFFICE:
9, 1430 - 40th Avenue N.E.
Calgary, Alberta T2E 6L1
(403) 250-1278

DESCRIPTION: HHC Team Consultants Inc. was incorporated in 1982 for the first 3 years all operations were centered in Botswana, Africa. In 1985, Team brought its headquarters to Calgary and began to develop a domestic base. Offering 'community development consulting' services. Team has a broad range of professional skills. Included in these skills are economists, agricultural resource persons, project managers, administrative consultant and engineers (municipal). Specialized services offered include economic development planning, low cost housing, farm systems development, small scale irrigation and sewage and water treatment services.

SPECIAL SERVICES: Extensive use of public participation in all projects.

OTHER CANADIAN OFFICES: Halifax, Nova Scotia A.J.

HINCH CONSULTANTS LTD.

Alan John Hinch, President

HEAD OFFICE:
101, 635 - 6 Avenue S.W.
Calgary, Alberta T2P 0T5
(403) 262-5614 TLX/TWX
038-21820

DESCRIPTION: The firm was formed in February 1978 and later incorporated. We provide interpretations of seismic reflection data for hydrocarbon evaluations, generally in western and northern Canada. Programs to acquire and process seismic data are designed and supervised.

HINZ CONSULTING LTD.

W.A. Hinz, President & General Manager
E.A. Grimm, Vice President
D.J. McLean, Area Manager - Saskatchewan
M. Berlinic, Area Manager - Edmonton
S. Scott, Area Manager - Calgary

HEAD OFFICE:
406 Jessop Avenue
Saskatoon, Saskatchewan S7N 2S5
(306) 373-5555

ALBERTA OFFICES:
17203 - 105 Avenue
Edmonton, Alberta T5S 1H2
(403) 489-8880 TLX/TWX
037-41832

Mayland Office Park
104 - 12 Manning Close N.E.
Calgary, Alberta T2E 7N6

DESCRIPTION: Hinz Consulting Ltd. was formed in January, 1985 by amalgamation of W.A. Hinz and Associates Ltd. and Startco Systems Ltd. Prior to the amalgamation these companies had previously provided design services for 14 and 7 years respectively. The resulting combined experience of these two companies encompasses projects both retrofit and new construction, ranging in size from small machine control, to plant wide design. Hinz Consulting operates from four Canadian office locations: Saskatoon, Edmonton, Calgary and Sussex, N.B. The company is founded upon a bases of modern high technology design with a staff of engineers and technologists selected on this basis.

SPECIAL SERVICES: Hinz Consulting Ltd is an electrical design company capable of doing complete plant design from high voltage power supply to the latest state of the art controls and instrumentation.

OTHER CANADIAN OFFICES: Sussex, New Brunswick

HITCHNER EXPLORATION SERVICES LIMITED

John Hitchner, President
Patricia Hitchner, Secretary-Treasurer

HEAD OFFICE:
6725 Silver Ridge Road N.W.
Calgary, Alberta T3B 5C7
(403) 286-5361

DESCRIPTION: Hitchner Exploration Services Limited, formed in 1983, provides well log analysis consulting services to the petroleum and mining industries. The consulting services focus on computer assisted well log analysis and related geological and engineering computer applications. Hitchner Exploration Services Limited (HESL) has extensive experience in well log interpretation throughout Western Canada, the Beaufort Sea, Offshore Nova Scotia and the Labrador Sea. HESL also has experience interpreting well logs from the North Sea, Australia (NW Shelf), parts of the United States and the Far East. HESL experience includes evaluation of uranium and coal well logs as well as computer applications programming in FORTRAN and BASIC computer languages. Hitchner Exploration Services Limited can undertake log analysis on a single well basis or as multiple well projects and can provide support to regional geologic studies and do reserves determinations. HESL also consults with companies on the implementation of computer well log analysis systems for in-house usage and provides training in conventional and computer assisted well log analysis.

SPECIAL SERVICES: Well log analysis, computer assisted oil exploration applications, and training in well log interpretation.

HMS ENGINEERING LTD.

Eugene Hrudko, P. Eng, President
Minesh Modi, P. Eng., Vice President
Gary Maxwell, C.E.T., Associate
Ed Jonas, P. Eng., Associate

HEAD OFFICE:
200, 121 - 15th Avenue S.E.
Calgary, Alberta T2G 1G1
(403) 264-8495

DESCRIPTION: The firm was founded in 1978 in Calgary and is currently head quartered in its own office building in downtown Calgary. The firm has also since expanded to include an office in Toronto, Ontario. Since its beginnings the firm has provided structural engineering service in all kinds of commercial, industrial and institutional buildings thoughout Canada and the United States. The firm specialty is commercial work and to this effect the firm has designed many hi rise structures up to 30 stories in B.C., Alberta, Manitoba, Ontario, Colorado and California. In addition to all kinds of commercial buildings the firm has also designed bridges, schools, churches, courthouses, medical clinics, hospitals, nursing homes and various other institutional buildings. In many of these projects the firm has used its in house computer design and drafting facilities to produce the entire project drawings and specification. In addition all accounting and administrative work is handled by our in house computers. Basically the firm philosophy is to continue to provide the latest and most up to date technology combined with practical site experience to produce the most economical and functional buildings for all our clients.

SPECIAL SERVICES: Consulting Structural Engineers.

OTHER CANADIAN OFFICES: Toronto, Ontario

HO & LAVIOLETTE ENGINEERING LTD.

Kin Ho, P.Eng., President
Thomas W. Laviolette, P.Eng.,
Principal

HEAD OFFICE:
11729 - 105 Avenue
Edmonton, Alberta T5H 0L9
(403) 454-0885

DESCRIPTION: The firm was formed and incorporated in 1980 in Edmonton. Services provided for all types of building structures including commercial, residential, recreational, warehousing, industrial, chemical plant and related foundation work. Structural and foundation engineering services are provided for tunnel, foundation underpinning and deep excavation structures. Specialized services are offered in marine structures such as docking facilities, bank protection and related buildings in the Arctic regions of Northwest Territories.

HOGGAN ENGINEERING & TESTING (1980) LTD.

J.E.F. Hoggan, P. Eng., President,
Director
P.R. Rosenberg, Engineer, Director
N.L. Journeaux, P. Eng., Secretary

HEAD OFFICE:
8803 - 50th Avenue
Edmonton, Alberta T6E 5H4
(403) 465-9714

DESCRIPTION: The original firm was formed in 1961 to provide civil and testing services in soils, concrete and asphalt. The present firm of Hoggan Engineering and Testing (1980) Ltd. is wholly owned by the practicing engineers. The firm specializes in providing geotechnical and foundation engineering; and construction control testing in soils, concrete, aggregates, soil-cement and asphalt.

HOOGENSEN METALLURGICAL ENGINEERING LTD.

Chris P. Hoogensen, P.Eng. Dipl. Eng.

HEAD OFFICE:
5632 Burbank Road S.E.
Calgary, Alberta T2H 1Z4
(403) 258-1555

DESCRIPTION: Hoogensen Metallurgical Engineering Ltd. was incorporated in 1981. The firm has expanded since that time and is now comprised of a group of engineers and technologists having a broad base of training and experience. The company's specialized areas of engineering include stress analysis, fracture mechanics, materials behaviour and evaluation, corrosion analysis and control, non-destructive inspection methods and welding technology.

SPECIAL SERVICES: Failure analysis, fracture, mechanical analysis, experimental stress analysis, corrosion analysis, welding design and control.

H.E. HORNFORD GEOPHYSICAL CONSULTANTS LTD.

Herbert E. Hornford, President
Shirley M. Hornford, Secretary-Treasurer

HEAD OFFICE:
#1100, 736 - 6th Avenue S.W.
Calgary, Alberta T2P 3T7
(403) 294-1313

DESCRIPTION: The company was incorporated in Alberta in 1980. Firm specializes in the interpretation of seismic data but also offers supervision services for data acquisition and processing. Short courses in geophysics are also offered to industry.

H.T. HORNFORD EXPLORATION CONSULTANTS LTD.

H.T. Hornford, President
L.M. Hornford, Secretary-Treasurer

HEAD OFFICE:
2508 Chateau Place N.W.
Calgary, Alberta T2M 4K7
(403) 289-3254

DESCRIPTION: Formed in 1983. Provide consulting service to petroleum exploration companies & gov't agencies, relating to geology & to prospect & project management.

F.E. HORTON & ASSOCIATES

F.E. Horton, President

HEAD OFFICE:
19 Beauvista Drive
Sherwood Park, Alberta T8A 3M7
(403) 467-6999

DESCRIPTION: The firm was founded in 1978 in Edmonton. Since that time consulting services have been provided to major meat packing and processing companies in Alberta, Saskatchewan, Ontario and Quebec. Special studies have been done for Alberta and federal governments funded by Departments of Agriculture and Economic Development. Special emphasis on facilities planning, project management and operating cost reduction in slaughter and further processing of beef and pork.

SPECIAL SERVICES: Facilities planning, project management, and operating cost reduction in meat industry.

HOWELL MAYHEW ENGINEERING, INC.

G. Gordon Howell, President
William J. Mayhew, Corporate Secretary

HEAD OFFICE:
867 Erin Place
Edmonton, Alberta T5T 1M6
(403) 481-9251

DESCRIPTION: Howell Mayhew Engineering was incorporated in 1985 in response to a need for an Alberta-based company offering engineering and research services in the energy-efficient housing and renewable energy sector. Our services include the design, commissioning and performance assessment of HVAC, energy management, solar electric and solar thermal systems in the residential and light commercial industries. Specialized services are offered in research, development, technology transfer, instrumentation and software related to energy conservation and heating technology.

HUBER ENGINEERING INC.

R. Carl Huber, P. Eng., Principal/CEO

HEAD OFFICE:
24 Greer Crescent
St. Albert, Alberta T8N 1T8
(403) 459-6219

DESCRIPTION: Huber Engineering Inc. was incorporated in Alberta in 1984 with offices located in the City of St. Albert. Under its Principal and Chief Operating Officer, Mr. R. Carl Huber, P. Eng., the firm provides a broad range of services in the fields of water resources and municipal engineering. Supported by extensive experience and in-house computer facilities, the firm offers specialized services in the areas of land development and computer aided design of urban stormwater management and waterworks systems.

HUME, MANN & ASSOCIATES LTD.

Robin Mann, P.Geol., President
Roger Hume, P.Geol., Vice President

HEAD OFFICE:
602, 840 - 6th Avenue S.W.
Calgary, Alberta T2P 3E5
(403) 262-6000

DESCRIPTION: The company was formed in November, 1983 as Roger Hume Consulting and was incorporated in July, 1984 as Hume, Mann & Associates, a Division of 313963 Alberta Ltd. The name was subsequently changed to Hume, Mann & Associates Ltd. The firm offers a wide range of petroleum consulting services pertaining to the reservoir, development and exploration sides of the industry. The company has worked closely with various petroleum engineering companies and has developed a particular expertise in reservoir and development geology.

SPECIAL SERVICES: Petroleum reservoir, development and exploration geology consulting.

SUBSIDIARY INFORMATION: AMH Resource Management Ltd., 602, 840 - 6th Avenue S.W., Calgary, Alberta T2P 3E5. Management of oil and gas portfolios providing complete engineering, geological, accounting, land and general administration capabilities.

J.F. HUNT CONSULTING LTD.

John F. Hunt, President
M. June Hunt, Secretary-Treasurer

HEAD OFFICE:
8460 - 118 Street
Edmonton, Alberta T6G 1T3
(403) 439-1117

DESCRIPTION: The firm was incorporated in Alberta in 1980 and has since operated in Edmonton offering project management services for major building projects and land development.

HVAL CONSULTANTS INC.

Brian Hval, President

HEAD OFFICE:
63 Queen Isabella Close S.E.
Calgary, Alberta T2J 3R2
(403) 278-1831

DESCRIPTION: The firm was formed in 1983 in Calgary. Specialist engineering services are provided in the areas of: surface facilities design of heavy oil and oil sands plants and field facilities, custom engineering software for personal computers, pneumatic structures including airships, evaluations of innovative and advanced technology. Management services are provided in the areas of project planning, scheduling, cost estimating, contract preparation. Specialized services are also offered in arbitration of contract claims negotiations. The firm also offers technical courses/seminars to clients and assistance in technical writing of engineering documents and presentations.

H.W.K. HOLDINGS LTD.

H.W. Klassen, P. Eng.

HEAD OFFICE:
731 Crescent Boulevard S.W.
Calgary, Alberta T2S 1L5
(403) 243-6426

DESCRIPTION: Formed in 1960 to provide engineering services and the mechanical and electrical apsects of commercial, institutional and industrial buildings as H.W. Klassen & Associates Ltd. H.W. Klassen & Associates Ltd. became inactive in 1981 and was survived by the Klassen Angus Group and subsequently by Safronek Pomeroy & Associates Ltd. in 1984. In 1981 the original firm changed its name to H.W.K. Holdings ltd. and administers the limited consulting practice of H.W. Klassen P. Eng.

SPECIAL SERVICES: Advisory services and consultation in building utilities and their application.

HYCAL ENERGY RESEARCH LABORATORIES LTD.

D.W. Bennion, President
R.G. Moore, Secretary-Treasurer
D.J. Frame, Director

HEAD OFFICE:
4758 - 14th Street N.E.
Calgary, Alberta T2E 6L7
(403) 230-1541 TLX/TWX
03-821172

DESCRIPTION: Hycal Energy Research Laboratories Ltd. was formed in 1979 and is an independent Canadian Company which offers technical service in reservoir engineering and laboratory testing associated with hydrocarbon recovery projects. Brochure Available.

AFFILIATES: Hycal Laboratories Equipment Ltd., 4758 - 14th Street N.E., Calgary, Alta. T2E 6L7, ph. 230-1541. Manufacture and construction of energy research equipment. Res-Sen Reservoir Technology Ltd., 4758 - 14th Street N.E., Calgary, Alta. T2E 6L7. Objectives: To apply state-of-the-art technology to solving problems related to reservoir completion and production, secondary and enhanced recovery projects, and specialized contract research projects. Well-Comp Technology Ltd., #1780, 202 - 6th Avenue S.W., Calgary, Alta. T2P 2R9. Specializing in well completions and workovers, to help oil and gas producers achieve improved hydrocarbon recovery through practical field application of high technology laboratory and numerical simulation results.

HYCARB ENGINEERING LTD.

Gareth R. Crandall, President
Dr. David J. Hawkins, Senior Principal
Michael J. Lovett, Senior Principal
Thomas H. Wise, Principal

HEAD OFFICE:
1720 Sun Life Plaza
144 - 4th Avenue S.W.
Calgary, Alberta T2P 3N4
(403) 266-7086 TLX/TWX
03-825717

DESCRIPTION: The firm was formed in 1973 in Alberta. It specializes in the application of engineering principles and commercial experience in the energy and chemical industries. General consulting assistance is provided in energy and petrochemical marketing analyses, technical and business aspects of petroleum refining, natural gas processing, petrochemical and fertilizer manufacture, economic and feasibility evaluations, asset evaluations, energy supply/demand balances, project planning and management and energy transportation and distribution analyses.

SPECIAL SERVICES: The company specializes in the economics and feasibility analyses of energy projects, heavy oil marketing and upgrading, natural gas marketing and LPG production and marketing.

AFFILIATES: Purvin & Gertz, Inc., 2600 One Main Place, Dallas, Texas 75250, USA; Purvin & Gertz, Inc., 2150 Texas Commerce Tower, Houston, Texas 77002, USA; Purvin & Gertz, Inc., Avoco Center, Suite 312, 10850 Wilshire Blvd, Los Angeles, California 90024 USA; Purvin & Gertz, Inc., Stratton House, 1 Stratton Street, London, WIX 5FE, England.

HYDROCON ENGINEERING (CONTINENTAL) LTD.

Wim M. Veldman, P.Eng., President
Gary R.E. Beckstead, P.Eng., Senior Engineer

HEAD OFFICE:
526, 510 - 5 Street S.W.
Calgary, Alberta T2P 3S2
(403) 266-1135

DESCRIPTION: The firm was incorporated in Alberta in 1979 with its office in Calgary. A subsidiary company, Hydrocon Inc. was incorporated in Alaska, USA with an office in Fairbanks. It specializes in the planning, design and construction supervision of water resources projects. Services include hydrologic monitoring, river surveys, floodplain mapping, channel diversion, hydrologic analysis, hydraulic design, river engineering and coastal processes. The firm's scope range from providing specialist advice to the owner or general consultant to the design and project management of major water-based developments.

SPECIAL SERVICES: Hydrologic monitoring, river surveys, bank protection measures, sedimentation ponds for mines, marinas and breakwaters, pipeline river crossings, independent review and expert testimony, hydraulic design, and channel diversions, permitting for bridges. The firm's principals have extensive experience in the Arctic.

OTHER FOREIGN OFFICES: Fairbanks, Alaska, U.S.A.

SUBSIDIARY INFORMATION: Hydrocon Inc., 9-1818 University Avenue, P.O. Box 60007, Fairbanks, Alaska, USA 99706

HYDROGEOLOGICAL CONSULTANTS LTD.

Roger J. Clissold, President
Marion L. Clissold, Secretary-Treasurer

HEAD OFFICE:
10704 - 181 Street
Edmonton, Alberta T5S 1K8
(403) 483-7240 TLX/TWX
037-2966

DESCRIPTION: Hydrogeological Consultants Ltd. was incorporated in Alberta in 1969. The company was established to provide industry, government and others with experts capable of investigating the subsurface movement of groundwater. A broad range of projects has been conducted, involving groundwater supplies, dewatering, groundwater monitoring (in conjunction with our affiliated company, Mow-Tech Ltd.), artificial recharge, regional groundwater evaluation, waste disposal and water-table determinations. Many projects by the organization have required a detailed analysis of hydrogeological conditions. The programs have been at various locations in western and northern Canada, and one program, for the Canadian International Development Agency, was conducted in South Vietnam. The investigations in a majority of projects involved depth intervals of 15 to 150 metres, although detailed studies have been conducted at depths as shallow as 30 centimetres, and as deep as 2000 metres. The company maintains a staff of professional hydrogeologists and skilled technical graduates with a broad background in detailed computer modelling and instrumentation. A complementary support staff, including an office manager, secretaries and draftspersons, is maintained.

SPECIAL SERVICES: Detailed Analysis of LANDSAT Imagery.

SUBSIDIARY INFORMATION: MOW-TECH LTD., 10704 - 181 Street, Edmonton, Alta. T5S 1K8. Groundwater Monitoring Equipment - Sales, Service, Rentals and Testing.

HYDROSPEC CONSULTING LTD.

David G. Winfield, President

HEAD OFFICE:
202 Professional Building
5013 - 50 Street, P.O. Box 1688
Stony Plain, Alberta T0E 2G0
(403) 963-5229

DESCRIPTION: The company was incorporated in Stony Plain, Alberta in 1985. It offers a broad range of consulting services related to the investigation, monitoring and control of groundwater. Areas of expertise include water supply, groundwater contamination studies, environmental impact assessment, aquifer management, groundwater control/dewatering and regional hydrologic studies.

SPECIAL SERVICES: Specialized expertise is provided in the following areas: hydrochemical surveys, stimulation of supply wells using explosives, and control of exsolution of gas dissolved in groundwater.

HYPROTECH LTD.

W.Y. Surcek, President
C.G. Morris, Vice President
W.D. Sim, Vice President
T. Vysniauskas, Vice President

HEAD OFFICE:
1700 Varsity Estates Drive N.W.
Calgary, Alberta T3B 2W9
(403) 288-1718 TLX/TWX
03-821172 CGY

DESCRIPTION: Hyprotech Ltd. was incorporated in 1976, to provide specialized engineering consulting work, research and development, and software services in the oil and gas industry. Hyprotech's expertise lies in the prediction of thermodynamic, physical and transport properties of petroleum fluids; steady-state simulation of oil and gas recovery systems or gas dehydration units etc.; and dynamic simulation of processing equipment or plants. Hyprotech has developed a poprietary process flowsheet simulator, called HYSIM, which serves as a computer aided design tool for simulation of oil and gas processes. Hyprotech is a wholly owned Canadian company. Its corporate head office is in Calgary, Alberta, with two branch offices in the U.S.; Houston, Texas and Whittier, California.

SPECIAL SERVICES: Although Hyprotech started as a small engineering company providing specialized engineering consulting work, most of its recent attention has been focused on marketing its proprietary flowsheet simulator, HYSIM. This flowsheet simulator can be accessed on a PC or mainframe for solving a variety of complex oil and gas related simulation problems.

OTHER FOREIGN OFFICES: Houston, Texas, USA; Whittier, California, USA.

SUBSIDIARY INFORMATION: Hyprotech's two branch offices are located in Houston, Texas and Whittier, California. These two offices serve as a sales and support centres for HYSIM as well as providing some specialized consulting work in terms of process simulation and software development. In addition to its branch offices in the US local agents overseas also market and support HYSIM in Europe, South America and Asia.

I.D. ENGINEERING COMPANY LIMITED

L.E. Hurwitz, President
G.W. Boyce, Vice-President & General Manager
W. Greenfield, Secretary-Treasurer
D.A. Farlinger, Vice-President

HEAD OFFICE:
807 Centre 104
5241 Calgary Trail Southbound N.W.
Edmonton, Alberta T6H 5G8
(403) 434-8468

ALBERTA OFFICES:
5303 - 50th Avenue
Lloydminster, Alberta S9V 0P9

DESCRIPTION: I.D. Engineering Company Limited was incorporated in Alberta in 1976 with its head office in Edmonton, and is the western engineering division of the I.D. Group Inc. The Company also maintains offices in Lloydminster, Alta/Sask and Winnipeg, Manitoba. The company offers pre-design, and supervision and inspection services in several fields of civil engineering including municipal, geotechnical, structural, hydraulics and hydrology. Project experience includes community and land development planning, water supply and distribution, wastewater and land drainage systems, roadways and pavements, recreation planning and facilities, foundations, bridges, traffic interchanges, tunnels and underpasses, flood control and dyking, terrain analysis and route location, sub-surface investigations, slope stability studies, groundwater geology, perma-frost engineering, and public utility regulation. Through other divisions of the Group a complete range of environmental and socio-economic consulting and laboratory testing of soils, concrete and construction materials is available.

SPECIAL SERVICES: Specialized expertise in: 1. Computer modelling of hydraulics and hydrology. 2. Design and construction of winter roads. 3. Design and construction techniques for concrete pavements.

OTHER CANADIAN OFFICES: Winnipeg, Manitoba

AFFILIATES: I.D. Systems Ltd., Winnipeg - environmental and socioeconomic consulting. I.D. Engineering Company, Winnipeg - civil engineering consulting. Independent Test-Lab Ltd., Winnipeg - soils and construction materials testing laboratory. Teshmont Consultants Inc., Winnipeg - EHV AC and DC transmission systems. e d m Water Engineering Science & Technology Ltd. (WEST), Edmonton - water resource consulting.

J.A. ILLMAYER CONSULTING ENGINEERS LTD.

J.A. Illmayer, P.Eng., President

HEAD OFFICE:
10037 - 117 Street
Edmonton, Alberta T5K 1W7
(403) 488-0191

DESCRIPTION: The company was incorporated in Alberta, April, 1965. Full range of services in Structural Engineering. Services include foundations, building structures, industrial structures, overpasses, structural evaluations and shop drawings.

SPECIAL SERVICES: The firm offers special expertise in design of complex renovations, alterations and reconstructions.

INSPECTIONS UNLIMITED

Steve Paul Martyniuk, Proprietor

HEAD OFFICE:
7146 - 119 Street
Edmonton, Alberta T6G 1V6
(403) 437-5107

DESCRIPTION: The firm was started in 1978 in Edmonton and registered for permit with APEGGA in 1983. We specialize in construction control and procedures for many diversified civil engineering projects from residential projects to shopping centre developments. Inspections Unlimited has the capability to handle structural design for any low rise buildings such as warehouses, shopping centres, and apartments. We have extensive experience in the preparation, research, and presentation of litigation documents and facts in disputes between owners and contractors.

SPECIAL SERVICES: We have extensive experience in mediation between owner & contractor to settle disputes and have legal background*. * no law degree. Mediation between owner and contractor, fact gathering for litigation.

INTERCOMP RESOURCE DEVELOPMENT & ENGINEERING LTD.

Peter M. Stanton, P.Eng., President
Courtney C. Fortems, P. Eng., Vice President
Eugene A. Pantella, P. Eng., Vice President

HEAD OFFICE:
Scientific Software-Intercomp
1801 California Street - 4th Floor
Denver, Colorado 80202
(303) 292-1111

ALBERTA OFFICES:
10th Floor, Sandman Inn
840 - 7th Avenue S.W.
Calgary, Alberta T2P 3G2
(403) 265-6550 TLX/TWX 3824857

DESCRIPTION: The company was incorporated in October 1968 in Calgary, Alberta. Expansion into the U.S. market place occured with offices being opened in Houston, Texas and Denver, Colorado. In June of 1983 Intercomp Resource Development Inc. merged with Scientific Software Corporation. In February, 1984 Scientific Software-Intercomp acquired CRC Betheny International to further enhance its pipeline and facilities simulation capabilities. As a result, SSI provides leading consulting services and software products in petroleum, pipeline and reservoir engineering as well as in geology, petrophysics and computer science.

SPECIAL SERVICES: Petroleum property evaluation; Oil and gas reservoir computer simulation; Petroleum production operations; Development of numerical simulation models for energy industry use.

OTHER FOREIGN OFFICES: London, England; Houston, Denver, U.S.A.

AFFILIATES: Scientific Software-Intercomp Inc., 4th Floor, 1801 California Street, Denver, Colorado 80202. Activities: same as above.

INTERNATIONAL COOLING TOWER INC.

D.A. Baron, President
E. Nielsen, Secretary

HEAD OFFICE:
5905 - 103 Street
Edmonton, Alberta T6H 2H3
(403) 434-8461 TLX/TWX
037-2613

ALBERTA OFFICES:
324 Southland Court
10601 Southport Road S.W.
Calgary, Alberta T2W 3M6

OTHER CANADIAN OFFICES: Saskatoon, Saskatchewan

INTERNATIONAL GEOLOGICAL CONSULTANTS LTD.

V.P. Jircik, President

HEAD OFFICE:
4512 Britannia Drive S.W.
Calgary, Alberta T2S 1J6
(403) 287-1141

SPECIAL SERVICES: Geological wellsite supervision and gas detector operations.

INTERNATIONAL GEOPHYSICAL CONSULTANTS LTD.

John Pflueger, President

HEAD OFFICE:
P.O. Box 120
Bragg Creek, Alberta T0L 0K0
(403) 949-4225

DESCRIPTION: Established in 1970, International Geophysical Consultants Ltd. performs geophysical contract negotiations, provides fieldcrew supervision, both land and marine, data processing supervision and seismic interpretation. In addition to interpretation of routine 2-D reflection data, the firm has also had extensive experience in refraction interpretation and interpretation of 3-D data volumes using interactive data analysis computer terminals.

INTERNATIONAL PROJECT MANAGEMENT

Robert M. Fiddes, P. Eng., President
Barbara J. Fiddes, Vice President
Margaret J. Fiddes, Secretary-Treasurer

HEAD OFFICE:
4927 - 126 Street
Edmonton, Alberta T6H 3W1
(403) 437-4619

DESCRIPTION: International Project Management was founded in 1985 in Edmonton, Alberta. An office was opened in Edmonton at that time and remains the only place of business. The company was granted a permit to practice by APEGGA in 1985. The permit remains active. The company offers a broad range of project management services relating to the engineering, procurement and construction of petro chemical facilities. Specialized service offered in Arctic Ocean/ Beaufort Sea on shore and off shore projects. Project management skills include bid proposal preparation, bid evaluation, contract formation and administration, estimating, planning, cost control and scheduling.

OTHER CANADIAN OFFICES: Prudhoe Bay, Alaska.

INTERNATIONAL TECTONIC CONSULTANTS LTD.

Pete B. Jones, President
J.K. Lenton, Vice President

HEAD OFFICE:
2110, 505 - 4th Avenue S.W.
Calgary, Alberta T2P 0J8
(403) 233-0494

DESCRIPTION: Company formed in 1979. Specializes in structural geology world wide as related to petroleum exploration. Conducts training programs in this field. Associated with Thrustbelt Systems Ltd., software for structural geology.

SUBSIDIARY INFORMATION: Thrustbelt Systems Ltd., 2104, 505 - 4th Avenue S.W., Calgary, Alberta T2P 0J8 THRUSTBELT software for structural geology.

INTREPID RESEARCH & ENGINEERING LTD.

D.H. Tweedy, C. Eng., F.I. Min. E., President
Maj Gen P.J. Mitchell (Rtd), Executive Vice President
Dr. Thomas Vladut, P. Eng., Vice President Engineering
R.J. Scott, P. Eng., Vice President Development

HEAD OFFICE:
2749 - 39 Avenue N.E.
Calgary, Alberta T1Y 4T8
(403) 291-2610 TLX/TWX 03822776

DESCRIPTION: INTREPID Research & Engineering Ltd. was incorporated in Calgary in 1986. The company was formed by a group of principals with a broad range of experience in the research & development field, with a special expertise in enhanced geophysical exploration systems related to the coal, oil and gas industries as well as enhanced recovery, extraction and pipeline systems for the oil and gas sector. A number of technologies that have been investigated by this team, and others that exist in Alberta, have potential application in the military. Accordingly, the company complement was organized with an ex-military individual with knowledge of military operational requirements and experience in the Canadian Forces Defence Procurement Management System. The objective of INTREPID is to attract defence dollars to Alberta by developing applicable technologies to the point of production and successful bidding, through the Federal Department of Supply and Services, on defence procurement contracts.

INVESTORS' PETROLEUM CONSULTANTS LTD.

Bruce L. Goodall, President
W. David Clark, Vice President

HEAD OFFICE:
950 Bow Valley Square III
255 - 5th Avenue S.W.
Calgary, Alberta T2P 3G6
(403) 237-0800

DESCRIPTION: The firm was formed in 1976 to offer a specialized service to financial institutions and other investors involved in term financings and/or equity investments in the petroleum industry.

SPECIAL SERVICES: Petroleum investments, petroleum financing.

I.P. CONSTRUCTORS LTD.

J.S. Mulvey, P. Eng., President
W.B. Powell, P. Eng., Vice President
L. E. Kirilenko, P. Eng., Project Manager

HEAD OFFICE:
5430 - 30 Street S.E.
Calgary, Alberta T2C 1G2
(403) 279-7553 TLX/TWX
03-821154

DESCRIPTION: Firm incorporated in 1976 in Calgary. Design, fabricate, assembly, testing, installation and start-ups of industrial process equipment and modules and complete plants. Design and manufacture of process equipment components. Plant located in S.E. Calgary. Full EPC services.

ISOTEC LIMITED

K.D. Michie, P.Eng., President
D. Aspinall, C.E.T., Secretary/Treasurer

HEAD OFFICE:
636 - 11th Avenue S.W.
Calgary, Alberta T2R 0E2
(403) 237-7288

DESCRIPTION: The firm was formed in Calgary and incorporated in Alberta in 1977. A broad range of services in the Mechanical and Electrical engineering disciplines for all types of building structures is provided. Services include HVAC, plumbing, fire protection, energy management and computer controlled building control systems, lighting, power distribution systems, communication systems, security systems. Specialized services which are provided are design and evaluation of computer facilities, laboratories, and industrial/process facilities.

OTHER CANADIAN OFFICES: Aurora, Ontario

IT & A INVERSE THEORY & APPLICATIONS, INC.

Mr. S. Levy, Ph. D., President
Mr. K. Stinson, Vice President
Mr. B. Prager, Vice President
Mr. D.W. Oldenburg, Ph. D., Vice President
Mr. D.R. Vohra, Manager, Calgary Operation

HEAD OFFICE:
1500, 250 - 6th Avenue S.W.
Calgary, Alberta T2P 3H7
(403) 269-4669 TLX/TWX
038-25570

JAGUAR ENGINEERING LTD.

D.C. Quinn, President

HEAD OFFICE:
316 Ranchridge Court N.W.
Calgary, Alberta T3G 1W6
(403) 239-6193

DESCRIPTION: Jaguar Engineering Ltd. was formed in Calgary, Alberta in January 1986. The company provides petroleum services related to drilling, completion, production, engineering. The engineering services compose of: in-house project management, report studies, direct field supervision of operations. Projects completed have involved production of: conventional oil, heavy oil, gas (sweet/sour) in the provinces of Alberta, British Columbia, Saskatchewan.

JAYCON RECONNAISSANCE

John D. Campbell, Ph.D., P.Geol., Principal

HEAD OFFICE:
10908 - 65A Street
Edmonton, Alberta T6A 2P7
(403) 466-0109

DESCRIPTION: Jaycon Reconnaissance, formed in Edmonton in April of 1984, draws on the extensive experience in field geo-resource estimation and sampling of its principal, Jack Campbell. Jaycon is well qualified to obtain representative geo-samples of the highest reliability, either mini-samples for conventional field evaluation, or bulk samples several tonnes in size for process evaluation or for marketing services. The firm is particularly knowledgeable in sampling coal in the Alberta Plains and Foothills and in remote or difficult locales far from usable mines or outcrops. Jaycon is prepared to organize subscription field appraisal programs and to provide full turnkey evaluation programs including original field sampling, analysis and assessment of samples, and presentation of the integrated information to the overseas marketplace.

SPECIAL SERVICES: For some years, J.D. Campbell has been recongized as an authority on the classification and distribution of coals in the Alberta Plains and Foothills, and he continues to conduct research related to this subject.

C.E. JOHNSON EXPLORATION CONSULTANTS LTD.

C.E. Johnson, President

HEAD OFFICE:
4016 Vincent Place
Calgary, Alberta T3A 0H3

SPECIAL SERVICES: Geological consulting.

R.D. JOHNSON & ASSOCIATES LTD.

Dr. R.D. Johnson, President
S.J. Johnson, Secretary-Treasurer

HEAD OFFICE:
Suite 200, 409 - 8th Avenue S.W.
Calgary, Alberta T2P 1E3
(403) 262-2860

DESCRIPTION: The Calgary-based Company, incorporated in 1961, has undertaken a wide range of projects and project management principally related to petroleum and mineral exploration throughout Canada and in the Caribbean. Particular expertise is offered in frontier and marine exploration and environmental problems.

JOHNSTON ENGINEERING LTD.

Dr. Colin D. Johnston, President

HEAD OFFICE:
4424 - 52nd Street N.W.
Calgary, Alberta T3A 0L1
(403) 288-2908

DESCRIPTION: The firm was formed in 1977. Specialized consulting and testing services offered in relation to the use of various types of concrete appropriate for structural works, highways and bridges, asphalt concrete included. Previous work has involved trouble shooting in a variety of projects where Portland cement concrete has not performed satisfactorily. Research and development work to develop special concretes, particularly fibre- reinforced concretes, for unusual applications also undertaken.

SPECIAL SERVICES: Design & Quality Control, Research & Development, Specialized Testing, Field Performance Evaluation, Failure Investigations.

W.G. JOHNSTON CORPORATION

W. Gordon Johnston, President

HEAD OFFICE:
611 - 72 Avenue N.W.
Calgary, Alberta T2K 0P5
(403) 274-4619

DESCRIPTION: The principal of this one man corporation graduated in mechanical engineering from U.B.C. in 1951. The corporation began in Calgary in 1979 under APEGGA rules to provide contract services in the innovation, design, development, testing and production of special machines, processes and shelters. Experience has been gained in (i) fabrication shops for metals and and plastics (ii) maintenance shops (iii) pilot plant (iv) process plants (v) stacks and breeching (vi) process machinery (vii) materials handling (viii) piping (ix) non-destructive testing. Involvement with materials includes (a) oil sands (b) helium and other gases (c) agricultural chemicals (d) plastics (e) Portland cement (f) iron ore beneficiation (g) base metal mining, milling, smelting and refining.

SPECIAL SERVICES: The principal has worked in the Mechanical Engineering Department of the University of Calgary as a research assistant to Dr. Joseph de Krasinsky on the design and development of a hydrostatic bearing, a wind tunnel balance and a radial diffuser. In this work, the principal functioned as a design/draftsman.

ERIC P. JOKINEN & ASSOCIATES LTD.

Eric P. Jokinen, P. Eng., President

HEAD OFFICE:
411, 10310 - 102 Avenue
Edmonton, Alberta T5J 2X6
(403) 420-6197

DESCRIPTION: Eric P. Jokinen & Associates was formed in 1980 with an office in Edmonton. The firm provides the full range of structural engineering services on building projects in Alberta and the Northwest Territories.

SPECIAL SERVICES: Research and development, heritage conservation and building sciences.

JOYRAN ENTERPRISES LTD.

R.A. Nemeth, President

HEAD OFFICE:
948 Rideau Road S.W.
Calgary, Alberta T2S 0R6
(403) 243-7551

DESCRIPTION: The firm was formed in 1974 in Calgary. Broad range of services in all aspects of pipelining gas, oil, blended oils, high vapor pressure liquids and slurries. Services include initial feasibility studies, regulatory aspects (including expert testimony), detailed design, construction planning and estimating project scheduling and construction and project management.

JUTI ENTERPRISES LTD.

W.G. Tyler, President
E.J. Tyler, Secretary

HEAD OFFICE:
2544 Charlebois Drive N.W.
Calgary, Alberta T2L 0T6
(403) 282-6810

DESCRIPTION: Private corporation formed in July, 1978 for the purpose of consulting and development of oil and gas reserves in Montana and Alberta.

SUBSIDIARY INFORMATION: Juti Enterprises Inc., Montana company wholly owned subsidiary.

KADON ELECTROMECHANICAL SERVICES LTD.

S.J. Mugford, P.Eng., President
J.R. McDonald, P.Eng., Secretary/Treasurer
W.E. Lockley, P.Eng., Manager, Engineering

HEAD OFFICE:
#103, 1437 - 47 Avenue N.E.
Calgary, Alberta T2E 6N7
(403) 276-9207 TLX/TWX
03-821172

DESCRIPTION: The firm was founded & incorporated in 1977 in Calgary. Services provided include: a) Vibration Analysis (& balancing) of all sizes & types of rotating equipment including: - i) set up & conduct vibration monitoring programs. ii) investigate vibration problems such as mechanical faults, worn components, structural resonance & critical speeds. iii) dynamic balancing (single or multiplane, below or above critical speeds). iv) machine startup monitoring analysis. b) Design & coordination of power system protective schemes: - i) fault & motor starting studies. ii) protective device selection & application. iii) ensuring device selectivity, plus good protection. c) Commissioning Industrial, Commercial, & Institutional Power Systems: - i) relog, circuit breaker, etc. testing (including C.T.s & P.T.s). ii) cable hipots. iii) transformer testing. iv) system startup, including motors, generators, etc. d) Application problems on equipment.

KALITA PROJECTS INC.

Ron Kalita, President
Cindy Kalita, Director

HEAD OFFICE:
200, 12420 - 104 Avenue
Edmonton, Alberta T5N 3Z9
(403) 482-1065 TLX/TWX
037-3773

ALBERTA OFFICES:
210 - 9912A Franklin Avenue
Fort McMurray, Alberta T5H 2S2
(403) 791-2522

DESCRIPTION: Kalita Projects Inc. was incorporated in 1985 with a head office in Edmonton and in the same year expanded with a branch office in Fort McMurray, Alberta. The firm provides project management, maintenance support and design services to industrial and institutional clients in the areas of: mining/materials handling, mineral processing, utilities, hydrocarbon upgrading, research and development, buildings and off plots. Traditional industry practices are supplemented by computerized system modelling, word processing and CAD capabilities. Specialized services include pressure vessel/piping design and quality control, pipe stress and flexibility analysis and R & D facility design.

KAMAC CONSULTANTS LIMITED

J.F. Apon, President

HEAD OFFICE:
7807 - 121 Avenue
Edmonton, Alberta T5B 4T3
(403) 471-2550

DESCRIPTION: Kamac Consultants Limited was incorporated in February, 1982. The office is located in Edmonton. The firm provides services in groundwater development, groundwater protection, dewatering, environmental geology, geological mapping, and hydrology as it pertains to natural flow systems. Kamac Consultants will conduct complete basinal analyses, including all aspects of the hydrologic cycle.

KARST RESOURCE CONSULTANTS LTD.

Brian Karst, President

HEAD OFFICE:
Suite 400, 604 - 1st Street S.W.
Calgary, Alberta T2P 1M7
(403) 266-1044

DESCRIPTION: The firm was formed and incorporated in Calgary in 1985. The services offered include project management and engineering, cost estimating and scheduling, and detailed engineering for oil and gas processing facilities, enhanced recovery facilities as well as industrial applications. Specialized services are offered for pilot plant work as well as modular plant and package planning and design. Plant debottlenecking and modifications are also areas that design and management services are offered.

SPECIAL SERVICES: Surveys of existing facilities for updating flowsheets and P & ID's are offered using portable computers equipped with custom CAD software. The survey may be done at the existing facilities to ensure accuracy and to save time.

KASTEN, EADIE ENGINEERING LTD.

Henry L. Kasten, President
William Eadie, Secretary/Treasurer

HEAD OFFICE:
400 West Tower, Coronation Plaza
14310 - 111 Avenue
Edmonton, Alberta T5M 3Z7
(403) 451-9101

ALBERTA OFFICES:
121 - 15th Avenue S.E.
Calgary, Alberta T2G 1G1

DESCRIPTION: Kasten, Eadie Engineering Ltd. is an Edmonton based company formed over 35 years ago by its president, Henry L. Kasten, P.Eng. The Company provides multi-discipline engineering and project management services to Clients in the industrial, resource, public works, institutional and commercial sectors. The scope of services performed includes: -feasibility studies - pre-design reports - energy conservation and management studies - process design - detailed mechanical, electrical, instrumentation and structural engineering - project management - procurement - construction management - operation and maintenance manuals and operation problem solving in industrial plants.

SPECIAL SERVICES: Heavy oil upgrading research and development.

KB PETROLEUM & MINING SERVICES LTD.

Keith M. Banks, President
Bonnie P. Banks, Secretary-Treasurer

HEAD OFFICE:
516 Moraine Road N.E.
Calgary, Alberta
(403) 273-5553

DESCRIPTION: The firm was incorporated in the province of Alberta in 1967, and opened its office in Calgary. The firm provided field supervision for geology, drilling and completions of oil and gas wells. It also provided technical evaluation of oil and gas properties. The company devotes the majority of its efforts to the direction of its affiliate, Roke Oil Enterprises Ltd. of Calgary, which specializes in formation evaluation by means of electrical logging. Roke Oil is a fully integrated company in that it designs and builds complete logging systems, operates the equipment as a field logging service, and provides comprehensive evaluation of subsurface resources incorporating the information provided by the logging service.

KEEN ENGINEERING CO. LTD.

T.J. Johnston, P. Eng., President
H.M. Hleck, P. Eng., Secretary - Vice President
K.H. Junck, P. Eng., Vice President

HEAD OFFICE:
214 - 545 Clyde Avenue
Vancouver, B.C. V7T 1C5
(604) 926-3207

ALBERTA OFFICES:
203, 239 - 10 Avenue S.E.
Calgary, Alberta T2G 0V9
233-9044

103, 10235 - 124 Street
Edmonton, Alberta T5N 1P9
482-6921

DESCRIPTION: Keen Engineering Co. Ltd., a firm of Professional Engineers and Technical Personnel with diversified experience and training in all phases of Mechanical Engineering, was founded in Canada in 1962. A complete range of services is offered in Mechanical Engineering, encompassing Air Conditioning, Heating, Ventilation, Plumbing and Drainage, Boiler Plants, Refrigeration, Steam and Power distribution, Food Processing Systems and Petrochemical Engineering. (Brochure available)

OTHER CANADIAN OFFICES: Victoria, B.C.

KEITH ENGINEERING LIMITED

Donald H. Keith, President

HEAD OFFICE:
301, 9911 MacDonald Avenue
Fort McMurray, Alberta T9H 1S7
(403) 791-1853

DESCRIPTION: Formed and incorporated in 1980 in Fort McMurray, Alberta. Broad range of consulting engineering services; including municipal, industrial, structural, and residential transportation.

SPECIAL SERVICES: Excavation shoring, structural investigation, fire protection systems.

G.D. KELL & ASSOCIATES LTD.

Gerald D. Kell, President
Phyllis M. Kell, Secretary-Treasurer

HEAD OFFICE:
640, 999 - 8th Street S.W.
Calgary, Alberta T2R 1J5
(403) 244-6184

DESCRIPTION: The firm was formed in 1978 in Calgary & incorporated in Alberta in the same year. The company offers geophysical consulting services that include seismic program planning, supervision of data acquisition & processing and interpretation & evaluation of the information.

M.W. KELLOGG COMPANY LTD.

P.M Evans, President
P.R. Pielsticker, Vice President

HEAD OFFICE:
133 - 6th Avenue S.E.
P.O. Box 6500, Station D
Calgary, Alberta T2P 2V8
(403) 267-6400 TLX/TWX
038-27537

DESCRIPTION: M.W. Kellogg Company Ltd. was incorporated in 1911. We provide a full service capability in engineering, procurement and construction to the chemical, petrochemical, oil, gas and pipeline industries. The company has a wide range of proprietary technologies in addition to offering its services using other licensor processes. While we prefer to exercise the widest range of services on any given project, we are able to provide one or more of the above noted services to support the client if a multi-contractual approach to project execution is selected.

SPECIAL SERVICES: M.W. Kellogg is a leader in the application of computer- aided design and drafting to the execution of our work. In addition to process design, engineering, procurement and construction service, Kellogg can also offer precommissioning, plant maintenance service and/or operating and maintenance training programs for client personnel.

OTHER FOREIGN OFFICES: Houston, Texas; London, England; Los Angeles, California.

AFFILIATES: The M.W. Kellogg Company - Houston, Texas, full service engineering, procurement and construction services to the chemical, petrochemical, oil, gas and pipeline industries.

KEMP ENGINEERING LTD.

A.R. Kemp, P. Eng., President

HEAD OFFICE:
R.R. #1
Okotoks, Alberta T0L 1T0
(403) 938-4262

DESCRIPTION: Kemp Engineering Ltd. was incorporated in Alberta as a consulting engineering firm providing commercial, industrial, and institutional building commissioning and conceptual mechanical design services. The recent experience of the firm includes conceptual mechanical design of a major oil company research laboratory facility, conceptual design and cost benefit analysis for proposed renovations to a major Calgary active treatment hospital, a building system review for a prospective major tenant seeking to lease office space, and full startup, commissioning and preventative maintenance services for the recently completed Rockyview General Hospital - Calgary. A.R. Kemp, P. Eng., principal of Kemp Engineering Ltd. is a registered professional engineer with over 20 years experience in the design, construction and startup of complex commercial and institutional buildings. Specific experience includes the Nova, An Alberta Corporation head office building, Calgary; TransAlta Utilities Corporation head office building, Calgary; Rockyview General Hospital, Calgary; University of Calgary Medical School; University of Calgary Scurfield Hall School of Management and University of Calgary Biological Sciences Building. Al Kemp has in depth experience in the design of health care facilities and was personally responsible for the preparation of the Alberta Hospitals and Medical Care Mechanical - Electrical Design Guidelines for Health Care Facilities. Al has recently prepared a technical paper regarding the Use of Ultra Clean Laminar Flow Operating Room Systems for Implant surgery and presented and published a paper titled Advantages and Disadvantages of Alternative Air Conditioning Systems Being Utilized in Current Hospitals to the Canadian Hospital Engineering Society.

SPECIAL SERVICES: Specific specialized experience of the firm includes: Design, construction, supervision and commissioning of health care and research facilities. Startup, commissioning and preventative maintenance services for commercial and institutional buildings. Conceptual mechanical system design and cost benefit analysis. Mechanical system energy analysis and cost benefit analysis.

KENEEMA ENGINEERING LTD.

Kenneth J. Maddox, P. Eng.,
President, Sr. Engineer

HEAD OFFICE:
9702 - 101 Street
P.O. Box 2096
Peace River, Alberta T0H 2X0
(403) 624-1700

ALBERTA OFFICES:
3511 - 16 A Avenue
Edmonton, Alberta T6L 2N3

Box 1248
Slave Lake, Alberta T0G 2A0

DESCRIPTION: The firm was incorporated in 1978 with its head office in Peace River, Alberta. An Edmonton office was opened in 1985 and an office in Slave Lake in 1986. Broad range of services in structural, municipal and water resources. Services in structural engineering for all types of building structures related to architectural and civil engineering work. Also engineering services related to municipal, land development, road work, water resources, drainage, sewer collection and treatment, water distribution and treatment, hydrology and hydraulics. Actual services performed include area structure plants, feasibility studies, planning and economic studies, proposal presentations, design, tendering, construction survey, construction supervision, contract administration and total project administration. The firm is a member of the Consulting Engineers of Alberta.

SPECIAL SERVICES: Architectural on small to medium size buildings and real estate structural investigations for insurance claims and complete scope of water resources.

KENNIBAR RESOURCES LTD.

Kenneth M. Baber, P. Eng., President
Bernice M. Baber, Secretary

HEAD OFFICE:
P.O. Bag 3020
Station B
Calgary, Alberta T2M 4L6
(403) 276-7814

DESCRIPTION: The firm was incorporated in Alberta in 1977 and is registered extra-provincially in Saskatchewan and Manitoba. Services include oil field drilling and production management and supervision.

KENONIC CONTROLS LTD.

Ken Netzel, President
Jack Tiessen, Director & Principal
Earle Harris, Director & Principal
Glenn Johanson, Director & Principal
Lynn Topp, Director & Principal
Brenda Netzel, Secretary-Treasurer

HEAD OFFICE:
3667 - 60th Avenue S.E.
Calgary, Alberta T2C 2E5
(403) 279-2730 TLX/TWX
03-821220

ALBERTA OFFICES:
4437 - 99 Street
Edmonton, Alberta T6E 5B6
(403) 437-1015

DESCRIPTION: Kenonic Controls Ltd. is an engineering consulting and contracting company that specializes in industrial controls and automation. Formed in 1972 in Calgary, Kenonic has grown to a size of approximately 100 engineers, technologists, and support staff. Kenonic was formed on the belief that industrial instrumentation, controls and automation had evolved to become a unique set of disciplines requiring dedicated specialists and the highest degree of corporate and project attention. As a result, Kenonic developed a technical group that could a) understand the process involved; b) engineer the control system; c) specify and procure materials; d) install, calibrate, and commission systems; e) provide training for operations staff; and f) institute and perform preventative maintenance programs. Kenonic has broadened its technical expertise to all areas of industrial controls and automation, including: distributed process control systems; SCADA (Supervisory Control and Data Acquisition); programmable controllers; electrical distribution, generation, and motor control; real-time software systems for data acquisition, control, and simulation; measurement; pneumatic and electro-mechanical controls and shut-down systems; personal computer software for engineering purposes; and data telecommunications. Because of this broad range of disciplines and services, Kenonic is able to tailor its services to meet the client's specific requirements, from feasibility studies to field work, from assistance to the client's in-house automation group to total project responsibility.

KILBORN ENERGY INC.

J.T. Drew, Chairman & CEO
J.B. Mitchell, President
J.M. Somers, Vice President
E.M. Morrison, General Manager
M.P. Woodcock, Secretary

HEAD OFFICE:
13220 St. Albert Trail
Edmonton, Alberta T5L 4W1
(403) 451-7600 TLX/TWX
037-41616

ALBERTA OFFICES:
Ste. 530
Southland Tower
10655 Southport Road S.W.
Calgary, Alberta T2W 4Y1

DESCRIPTION: Kilborn Energy Inc., the Alberta branch of Kilborn Engineering Ltd. was established in 1986 by integrating the Edmonton office of Kilborn Kellogg Rust into the Kilborn Group of Companies. The Edmonton office is staffed by an established design team of more that 55 professional and technical personnel, backed by the resources of the Canadian Kilborn organization. The staff skills and experience are well balanced to provide a full range of services including studies, process development, project management, detailed design engineering, procurement, and construction management. The Alberta project and design activities have involved refinery expansions, tar sands plants, chemical plants, industrial plant utilities and offsite facilities. Kilborn Energy Inc. has successfully completed both major stand alone, plant revamp, and support facility projects as well as small and specialized projects and design studies. Formed in 1947, Kilborn is a 100% Canadian, employee owned organization with corporate headquarters in Toronto and regional offices in Saskatoon, Edmonton, and Vancouver. The Kilborn Group has over 600 employees and provides the complete range of engineering, procurement and project management services for industrial and energy related projects.

SPECIAL SERVICES: The Edmonton office offers an established engineering design team whih has been serving Western Canadian industry for over 15 years. Kilborn has earned a strong reputation for reliable work in the major industrial sectors including: (1) petroleum refining, (2) chemical manufacturing, (3) tar sands extraction and upgrading, (4) mining and metallurgical processing for coal, potash and base metals, (5) agricultural and food processing, and (6) plant offsites and services facilities.

OTHER FOREIGN OFFICES: Denver, Colorado, USA.

AFFILIATES: Kilborn Engineering, Toronto; Kilborn Engineering (B.C.) Ltd., Vancouver; Kilborn (Saskatchewan) Ltd., Saskatoon; Kilborn Et Associes Ltee, Brossard, Montreal.

KINETIC ENGINEERING LIMITED

D.H. Thompson, P. Eng., President
R.K. Grant, P. Eng., Vice President
R.I. Phipps, Secretary

HEAD OFFICE:
200, 625 - 14th Street N.W.
Calgary, Alberta T2N 2A1
(403) 270-0919

DESCRIPTION: Kinetic Engineering Limited was incorporated in 1985 to provide a complete consulting and management service in petroleum engineering. Services include cost estimates, program research and design, petroleum project management, direct wellsite management and production engineering. A completion/workover course has been developed for in house training.

SPECIAL SERVICES: A completion/workover training course has been developed and is available in house or through PITS.

AFFILIATES: Grant Phipps Tsutsumi & Associates Limited

KIRST EXPLORATION

W.J. Kirst, Owner

HEAD OFFICE:
3809 Elbow Drive S.W.
Calgary, Alberta T2S 2J9
(403) 243-8491

DESCRIPTION: Kirst Exploration was formed in 1967 in Calgary. Seismic and Vibroseis at interpretation, refraction plots, drift calculations, structural statics.

KLEINFELDT CONSULTANTS LTD.

M.J. Hartnett, President
S.J. Blaney, Vice President
I. David, Vice President

HEAD OFFICE:
Tillyard & Partners
4 Melanie Drive, Suite 12
Brampton, Ontario L6T 4L1
(416) 792-9000

ALBERTA OFFICES:
715 - 5th Avenue S.W.
Ste. 800
Norcen Tower
Calgary, Alberta T2P 2X6
(403) 262-0088

DESCRIPTION: The company was founded in 1961 as G.V. Kleinfeldt and Associates Limited, Consulting Engineers and Community Planners. Reorganized in 1979, the firm now operated under the Federal Charter as Kleinfeldt Consultants Limited. Kleinfeldt's corporate head office is located in Toronto at 65 Queen Street West, with branch offices in Brampton and Kitchener. Recent expansion into Alberta has been facilitated by the opening of our Calgary office in 1985. At present, thirty individuals are employed by Kleinfeldt consisting mainly of professional consulting engineers, environmental specialists, quantity surveyors and project managers. Services provided include municipal and building engineering sciences, planning, construction, economics and management as well as, environmental science. Kleinfeldt's professional staff take pride in providing personal service to all its clients. Services range from local, one day, inspections to administration of multimillion dollar, overseas construction projects, which have exposed Kleinfeldt personnel to a wide range of working environments Kleinfeldt Consultants and its clients benefit from the wide range of international technical and management expertise provided through its association with the Tillyard Group of Companies.

OTHER CANADIAN OFFICES: Kitchener, Ontario

SUBSIDIARY INFORMATION: Tillyard & Partners, quantity surveyors, project managers, cost consultants, 4 Melanie Drive - Suite 12, Brampton, Ontario L6T 4L1; Tillcan Financial Corp., 65 Queen Street West, Suite 200, Toronto, Ontario M5H 2M5.

AFFILIATES: Tillyard Management Inc., 514 - 5th Avenue S.W. Ste. 800, Calgary, Alberta T2P 2X6.

KLOHN LEONOFF LTD.

E.J. Klohn, President, CEO, Chairman of Board
R.P. Benson, Senior Vice President
E.W. Speer, Executive Vice President
D.M. Davison, Vice President, Alberta

HEAD OFFICE:
10180 Shellbridge Way
Richmond, B.C. V6X 2W7
(604) 273-0311

ALBERTA OFFICES:
#15, 6320 - 11 Street S.E.
Calgary, Alberta T2H 2L7
(403) 259-4114 TLX/TWX
038-2461

DESCRIPTION: Klohn Leonoff Consultants Ltd. is a limited company with shares held exclusively by the participating members of the firm. For over 30 years, the company has provided investigation, design and construction supervision services within the general scope of civil engineering. Projects in both the private and public sectors have been carried out in Canada and many countries of the world. The company has a staff of specialists and support personnel and provides services in soil and rock mechanics, permafrost, air photo supervision of dams, terrain evaluation and route selection for pipelines, highways and railroads. The company maintains well equipped laboratories for the testing of soils concrete, asphalt and other construction materials. (Brochure available).

SPECIAL SERVICES: Klohn Leonoff Ltd. has the full capability of design and construction management of hydro-electric projects and hydro-diesel electric construction. the company has civil, structural, mechanical and electrical engineers with each discipline having over 25 years of experience in these fields.

SUBSIDIARY INFORMATION: Klohn Leonoff (Yukon) Ltd., H2, 203A Main Street, Whitehorse, Yukon Y1A 2B2 (403) 668-2328

D. KNAPIK GEOPHYSICS LTD.

Dennis W. Knapik, President, P. Geoph.
Pauline R. Knapik, Secretary
James Barron, Associate Geophysicist

HEAD OFFICE:
501, 805 - 8th Avenue S.W.
Calgary, Alberta T2P 1H7
(403) 269-3796

DESCRIPTION: The company was incorporated in Alberta in 1972. Consulting services are provided in land and marine seismology in the domestic and foreign fields.

KOLIGER SCHMIDT ARCHITECT.ENGINEER

Bruce L. Koliger, MRAIC
Larry D. Schmidt, P.Eng.

HEAD OFFICE:
308, 10835 - 120 Street
Edmonton, Alberta T5H 3P9
(403) 451-1491

DESCRIPTION: Koliger Schmidt Architect.Engineer is a corporate architectural/engineering firm that was established in 1982. The firm is multi-disciplinary providing architectural, structural and mechanical engineering services throughout the province of Alberta. A broad range of building types and related facilities have been designed by the firm, its principals and staff in both the public and private sectors.

KOMEX CONSULTANTS LTD.

F.B. Claridge, President
T.L. Dabrowski, Director
D.C. Martin, Director
B.J. Stuckert, Associate

HEAD OFFICE:
206, 1615 - 10th Avenue S.W.
Calgary, Alberta T3C 0J7
(403) 244-6412 TLX/TWX
03-821172

DESCRIPTION: Komex Consultants Ltd. of Calgary, Alberta, offers a broad range of geotechnical engineering consulting services for civil and resource development projects. A staff of engineers and geologists has developed extensive expertise in soil and rock mechanics, arctic and offshore engineering and hydrogeology. Since incorporation in 1977, Komex has carried out work for a number of major civil and resource development projects in Canada and overseas. These include artificial drilling islands in the Mackenzie River and Beaufort Sea, northern pipelines, hydroelectric power projects, waste water lagoons, open pit mines, tailings disposal and mine waste projects. The company has also participated in water resource and hydroelectric projects at overseas locations, including Ethiopia, India and Bangladesh. Geotechnical services are offered through associate offices in Vancouver, B.C. and Denver, CO.

AFFILIATES: Piteau Engineering Ltd., Calgary, Alberta. Piteau Associates Engineering Ltd., Vancouver, British Columbia. Specializing in rock mechanics, engineering geology and groundwater engineering. Komex International, Calgary, Alberta, joint venture of associated companies specializing in water resources engineering for overseas projects.

KOTYK ENGINEERING LTD.

S. Kotyk, President
H.A. Kotyk, Secretary

HEAD OFFICE:
c/o SKM Consulting Ltd.
826, 205 - 9th Avenue S.E.
Calgary, Alberta T2G 0R4
(403) 233-9400

ALBERTA OFFICES:
123 Varsity Crescent N.W.
Calgary, Alberta T3B 2Z5
(403) 288-5008

DESCRIPTION: Incorporated in 1972. Provides all aspects of consultation to petroleum, natural gas, petrochemicals and related industries. Specialize in project management.

SUBSIDIARY INFORMATION: SKM Consulting Ltd., 826, 205 - 9th Avenue S.E., Calgary, Alberta T2G 0RY.

K.P. ENGINEERING LTD.

Kam Phong, President
Debbie Phong, Secretary

HEAD OFFICE:
203, 1347 - 12 Avenue S.W.
Calgary, Alberta T3C 0P6
(403) 228-0090

DESCRIPTION: The firm was formed in 1985 in Calgary. We provide consulting services in mechanical engineering specializing in heating, ventilation, air conditioning, fire protection and plumbing systems for buildings ranging from residential, institutional, commercial to industrial. The strength of our company lies in our staff, design, excellent service and track record.

KROENING CONSULTANTS LTD.

Greg Kroening, President
Bernadette Kroening, Secretary

HEAD OFFICE:
#201, 9333 - 47 Street
Edmonton, Alberta T6B 2R7
(403) 468-2502

DESCRIPTION: Kroening Consultants Ltd. was incorporated in Alberta in 1979. A Mechanical Consulting Engineering Firm offering complete design and inspection services for commercial, light-industrial and residential projects. The firm's Senior Engineer and Principal has had extensive experience in the design and construction of all types of projects relating to heating, ventilation, air conditioning and plumbing systems. A small progressive company that provides personal service by key personnel. (Brochure available)

G.W. LABORDE EXPLORATION CONSULTANTS LTD.

George W. LaBorde, President
Patricia M. LaBorde, Secretary/Treasurer

HEAD OFFICE:
110, 825 - 8th Avenue S.W.
Calgary, Alberta T2P 2T4
(403) 264-7015

DESCRIPTION: The firm was formed in 1981 in Calgary. The company specializes in the acquisition, processing (supervision) and interpretation of geophysical data for oil & gas exploration. Areas of exploration include Alberta, Sask., B.C., East Coast Canada, Permian Basin (U.S.A.), and Australia. The primary function of the firm is to incorporate all geological data into the geophysical interpretation to provide an accurate interpretation.

AFFILIATES: Athena Resources Ltd. Parent of G.W. LaBorde Exploration Consultants Ltd.

JOHN R. LACEY INTERNATIONAL LTD.

Dr. John R. Lacey, President
Harvey B. Fulton, Vice President

HEAD OFFICE:
2415 One Palliser Square
Calgary, Alberta T2G 0P8
(403) 266-6995 TLX/TWX
03-825800

DESCRIPTION: The company was formed in 1970 and has been active in major petroleum studies and developments, mainly in the international field. Geological, reservoir, development, contractual, financial and regulatory work has been undertaken in the USA, Australia, New Zealand, Thailand, Indonesia, Pakistan, Great Britain, Norway, Ireland and various areas in South America, Central America and the Far East. In addition, many studies and ongoing areas of activity have been carried out in Canada. Clients tend to be major multi-national companies, transmission companies, financial institutions or governments at either national or state level.

SPECIAL SERVICES: Heavily involved in the natural gas side of petroleum, including downstream products such as LNG, methanol, ammonia urea and LPG's.

AFFILIATES: Hardcastle and Company (3 Gracechurch Street, London, England), financial and contractual international advisory services. K. Stuart Associates Ltd. (Calgary, Alberta), computer software specialists in fluid flow and economic and financial packages.

LALEN CONSULTING LTD.

N.F. Lenstra, President
A.J. (Bert) Lachance, Secretary-Treasurer

HEAD OFFICE:
P.O. Box 2348
Rocky Mountain House, Alberta T0M 1T0
(403) 845-4812

DESCRIPTION: The firm was established in 1980 in Rocky Mountain House, Alberta. It presently occupies a 6000 sq. ft. office and warehouse facility in Rocky. The primary purpose of Lalen Consulting Ltd. was to provide engineering design for gathering systems and wellsites and to manage the procurement, logistics, material handling, inspection, and project management of pipeline projects in Alberta with special emphasis on sour gas projects.

LAMB MCMANUS ASSOCIATES LTD.

R.M Morrison, P. Eng., President
E.J. Radu, P. Eng., Secretary-Treasurer
S.J. Rust, P. Eng., Chief Engineer, Director
J.K. Williams, P. Eng., Vice President, Director

HEAD OFFICE:
#300, 1011 Glenmore Trail S.W.
Calgary, Alberta T2V 4R6
(403) 253-4519

ALBERTA OFFICES:
10214 - 112 Street
Edmonton, Alberta T5K 1M5
(403) 426-0516 FAX: 428-1624

DESCRIPTION: Lamb McManus Associates Ltd. has provided consulting engineering services since 1952. Originally specialized in structural design and bridge engineering and expanded in 1965 to include mechanical and electrical consulting services. As a multi-discipline engineering firm, LMA provides services as prime consultant and/or as engineering sub-consultant to a wide variety of clients, including architects, contractors, individuals, corporations and all levels of government. With offices in Edmonton and Calgary each operating as a completely integrated organization, LMA is engaged in all engineering aspects of design and construction for all types of buildings, bridges, sports/recreation facilities, process systems and industrial plants, hospitals, schools and other institutional facilities. The firm with a staff of approximately 70, is wholly owned by its active principals, all resident in Alberta. Brochure available.

SPECIAL SERVICES: Investigations and analysis of unique structural engineering problems.

AFFILIATES: Ragan Bell McManus Consultants Ltd., Edmonton.

LAVENDER MANAGEMENT SERVICES LTD.

W.J. Lavender, President

HEAD OFFICE:
P.O. Box 5263
Station E
Edmonton, Alberta T5P 4C5
(403) 432-4114

DESCRIPTION: The company was formed in 1982 and is a corporation registered in the province of Alberta only. The company initially offered project management services to the mining and tar sands industries, as the owner's representative, providing planning, scheduling, cost estimating and feasibility studies as well as full project control through to start-up. Since 1984, the company has also entered the health care field in a similar capacity with equally positive results.

SPECIAL SERVICES: The company offers a unique service as the owner's representative for all phases of project management.

LAVIOLETTE ENGINEERING LTD.

Thomas W. Laviolette, P.Eng., President
Kin Ho, P.Eng., Principal

HEAD OFFICE:
11729 - 105 Avenue
Edmonton, Alberta T5H 0L9
(403) 454-0884

DESCRIPTION: The firm was formed and incorporated in 1961. Services provided for a broad range of building structures including commercial, warehousing, industrial and related foundation work. Structural and foundation engineering services are provided for tunnel, foundation underpinning and deep excavation structures. Specialized services are offered in marine structures such as docking facilities and related buildings in the Northwest Territories.

L.E.C. ENGINEERING LTD.

L.E. Carlson, President

HEAD OFFICE:
6916 Hunterbow Crescent N.W.
Calgary, Alberta T2K 4R5
(403) 274-0586

DESCRIPTION: The firm was founded in Calgary and registered in Alberta in 1983. It offers Engineering services in project management, stress analysis, geothermal analysis and instrumentation, and computer software development.

SPECIAL SERVICES: Permafrost engineering designs to mitigate against frost heave and thaw settlement, and stress analysis for pipelines.

LEE'S SHEET METAL (1980) LTD.

Dale Sheridan, Manager
Pete Merlo, Engineer, Vice President
Lee Merlo, Owner, President

HEAD OFFICE:
10910 - 97 Avenue
Grande Prairie, Alberta T8V 3J8
(403) 532-4418

LM & M ENGINEERING LTD.

George W. Lewis, President
Mickey J. Mitchell, V.P. Operations
W. (Bill) R. Middagh, Secretary-Treasurer

HEAD OFFICE:
Suite 400, 10735 - 107 Avenue
Edmonton, Alberta T5H 0W6
(403) 424-8364 TLX/TWX
037-2966

DESCRIPTION: The firm was formed to combine the extensive (100 man years) of chemical, mechanical and electrical experience of the three principals to offer multidiscipline services to energy resource industries in Western Canada. Services vary from complete project management responsibility to direct design detailing for heavy industrial projects in the petrochemical, refinery, fertilizer and oil and gas pipe line fields. Unique specialized service is available for process design, instrumentation and control, pressure piping, pumping and compressors, tankage and large diameter pipelines, electrical power distribution and automation.

SUBSIDIARY INFORMATION: Fort Saskatchewan Engineering Services Ltd., 400, 10735 - 107 Avenue, Edmonton, Alberta T5H 0W6, process development, heavy oil upgrading, mining and mineral extraction.

LOCKERBIE AND HOLE COMPANY LIMITED

James F. Hole, President
James D. Hole, Secretary-Treasurer

HEAD OFFICE:
P.O. Box 414
10835 - 120 Street
Edmonton, Alberta T5J 2J6
(403) 452-1250 TLX/TWX
037-3590

ALBERTA OFFICES:
7335 Flint Road S.E.
P.O. Box 5846, Station A
Calgary, Alberta T2H 1G3

DESCRIPTION: Lockerbie and Hole, founded in 1898, is one of the largest mechanical contracting firms in Canada with operations primarily in Western Canada and the Northwest Territories. Specializing in plumbing, heating, ventilating, air conditioning, fire protection, water and sewage treatment and process piping, our operations currently install systems totalling many millions of dollars annually.

OTHER CANADIAN OFFICES: Vancouver, B.C.; Saskatoon, Saskatchewan.

AFFILIATES: Lockerbie Management Limited.

LOGIS DATA SYSTEMS LTD.

Peter H. Howard, President
Gerry V. Rebwald, Vice President
David R. Carothers, Vice President

HEAD OFFICE:
910, 800 - 5th Avenue S.W.
Calgary, Alberta T2P 3T6
(403) 262-4512

DESCRIPTION: The firm was formed in 1985 in Calgary. The principals were all employees/directors of Computer Research Associates, a company formed in 1969. The basic service of the firm is to develop exploration/exploitation data bases and software programs to access said data bases. Services include custom report generation, on line data base retrieval systems and laser graphics. The firm is the author of the Location Oriented General Information System 'LOGIS'.

LOMBARD NORTH GROUP (1980) LTD.

Paul Agate, P. Eng., Partner
Larry Paterson, CSLA, Partner
Steven Ward, CSLA, Partner

HEAD OFFICE:
201, 239 - 10th Avenue S.E.
Calgary, Alberta T2G 0V9
(403) 264-4433

OTHER CANADIAN OFFICES: Ottawa, Ontario.

LONGSTAFFE GEOLOGIC CONSULTING LTD.

F.J. Longstaffe, President

HEAD OFFICE:
14708 - 59 Avenue
Edmonton, Alberta T6H 4T6
(403) 434-8003

DESCRIPTION: The firm was formed in 1985, in Edmonton, replacing a personal proprietorship operating since 1981. A broad range of consulting services in mineralogy and geochemistry are provided for use in areas such as oil sands development, petroleum and mineral exploration, and environmental geology. Specialized services are provided in clay mineralogy and stable isotope geochemistry.

LOTEPRO PLANTS LIMITED

Juergen Kersten, Board Chairman
Rolf D. Wuensche, President
Jean J. Durant, Secretary

HEAD OFFICE:
510, 808 - 4th Avenue S.W.
Calgary, Alberta T2P 0K4
(403) 262-2106 TLX/TWX
03-826569
TELECOPIER (403) 263-0946

DESCRIPTION: The company was incorporated 1974 to provide engineering, procurement, project management and construction supervision services for cryogenic and related facilities to the petrochemical, chemical, petroleum, natural gas and mineral industries. Specialized areas of expertise are: air separation plants for production of gaseous or liquid oxygen, nitrogen, argon and other rare gases; natural gas processing plants including ethane recovery (deep cut) and natural gas liquefaction; hydrogen production facilities based on steam reforming or partial oxidation; ethylene plants; fertilizer plants; methanol plants; upgrading plants for recovery of hydrogen and carbon monoxide; acid gas removal and sulphur plants; gas purification systems in high temperature reactors for nuclear power plants and deuterium recovery from hydrogen streams for production of heavy water. Brochures are available.

SPECIAL SERVICES: Turnkey Plants for generating oxygen for in-situ combustion in heavy oil reservoirs and nitrogen generation for enhanced oil recovery, hydrogen purification of refinery off-gas or raw gas from steam reformer by pressure swing absorption (PSA), small fertilizer plants using LINDE AG ammonia process. Flue-gas desulphurization by the LINDE SOLINOX process. Supply of basic engineering and engineering expertise of LINDE's ethylene technology. Selective removal and recovery of H_2S and CO_2 from synthesis raw gases.

OTHER FOREIGN OFFICES: Valhalla, N.Y. - USA; Munich Federal Republic of Germany; Australia; France; India; Japan; Saudi Arabia; Spain.

AFFILIATES: LINDE AG, TVT Division Munich, 8023 Hoellriegelskreuth, Federal Republic of Germany. LOTEPRO CORPORATION, Mount Pleasant Corporate Center, 115 Stevens Avenue, Valhalla, N.Y. 10595 - engineering, procurement, project management and construction supervision services in areas as specified under description.

LUKAY RESEARCH & DEVELOPMENT LTD.

Frank John Lukay, President

HEAD OFFICE:
38 Balmoral Drive
St. Albert, Alberta T8N 0B8
(403) 459-5514

DESCRIPTION: The firm was formed and incorporated in Alberta in 1970. Expertise is structural engineering. The service is primarily as Prime Consultant for all types of architectural structures (eg) office buildings, warehouses, apartments, recreational facilities, churches, hotels, motels, water reservoirs, meat packing plants. When required other specialized, (mechanical, electrical, architectural, geological surveys, interior) consultants are engaged. Other areas of service are - park design and development, planning of fairgrounds and roads.

LUMMUS CANADA INC.

H. Sonnenberg, President
K. Salmon, Vice President of Sales
R.S. Corcoran, Vice President of Finance
F.J. Leverett, Vice President of Operations
R.D. Robson, Director Western Operations.

HEAD OFFICE:
255 Consumers Road
Willowdale, Ontario M2J 4H4
(416) 493-4123

ALBERTA OFFICES:
11012 MacLeod Trail South
Calgary, Alberta T2J 6A5
(403) 278-5040 TLX/TWX 03 821963

DESCRIPTION: Lummus Canada Inc. (LCI) was incorporated in 1950 as a wholly owned subsidiary of CE Lummus. The Calgary office was established in 1976 primarily to service the oil processing and petrochemical industries. LCI offers full EPC and project management service to the process industries with particular emphasis on projects involving technology development and transfer, in heavy oils upgrading petrochemicals and plastics production, refining processes and waste disposal processes. Services extend from feasibility studies and process evaluations through to startup and operational planning and assistance, including computer simulation, software and hardware. Pilot plant facilities are available for process and product testing and new process development. All design disciplines are provided including extensive experience in advanced instrumentation and control systems. Industries served by LCI include oil production and processing, heavy oil upgrading, refining, petrochemicals, plastics, pulp and paper, minerals processing, food and beverage, municipal, industrial and hazardous waste disposal, nuclear. Projects executed with full EPC responsibility range in size up to and including mega projects. Activities include technology assessment and development in cooperation with other Canadian companies and commercialization of new processes.

SPECIAL SERVICES: Fully computerized plant design system. Computer simulation of process for training, testing of design, startup and operation optimization. Technology definition packages for new process plants prepared totally in Canada.

OTHER CANADIAN OFFICES: Montreal, Quebec.

AFFILIATES: Lummus Canada Inc. is associated with the Combustion Engineering groups of companies in Canada and abroad.

LUNDBERG, GOODWIN & CURTS

R.M. Lundberg, Partner
D.W. Goodwin, Partner
B.W. Curts, Partner

HEAD OFFICE:
505, 550 - 6th Avenue S.W.
Calgary House
Calgary, Alberta
(403) 266-7161

DESCRIPTION: The partnership was formed in 1976. The principals have a total of 72 years experience in seismic data acquisition, processing and interpretation. Services include the design of seismic programs, supervision of crew operations, supervision of data processing and the interpretation of seismic reflection data. Seismic-geologic modelling is done using an in-house terminal.

AFFILIATES: Lundberg Seismic Consultants Ltd. D.W. Goodwin & Associates Ltd. Curts Seismic Consultants Ltd.

L.V. ENGINEERING LTD.

Larry Powlusko, President
Karen Powlusko, Secretary

HEAD OFFICE:
3808, 825 - 8th Avenue S.W.
Calgary, Alberta T2P 2T3
(403) 264-7121

DESCRIPTION: The comany was formed and incorporated in Alberta in 1976. An office in Calgary was opened in 1984 Services include to provide drilling, workover and completion rig supervisors and also to provide construction supervision/inspection to the oil and gas industry. Some general petroleum engineering is provided. Specialized services are offered in writing and implementing safety programs and corrosion control programs.

L.W.T. ENGINEERING SERVICE

Brian L.W. To, Chief Engineer

HEAD OFFICE:
646 Willowburn Crescent S.E.
Calgary, Alberta T2J 1N1
(403) 271-2952

DESCRIPTION: The firm was established in 1976 in Calgary. Our services are mainly structural engineering of commercial and industrial buildings, gas plants. Include foundations and superstructures design of all types of structures, and shop drawings. Geotechnical engineering and architectural consultants are employed when required.

M & S RESEARCH & CONSULTING LTD.

Dr. M.A. Ward, PhD, P. Eng., Director, President
P.M Gifford, MSc, P. Eng., Director, Secretary
B.W. Langan, MSc, P. Eng., Director
Dr. J.E. Gillett, PhD., P. Geol., Director
Dr. R.E. Loor, PhD., P. Eng., Director

HEAD OFFICE:
Box 445, Station G
Calgary, Alberta T3A 2G3
(403) 284-9190

DESCRIPTION: The firm was formed in 1970 and provides specialized structural and materials science expertise particularly in the areas of R & D, litigation, failure analysis, materials characterization and construction product performance evaluation. The majority of activities has been in the precast, ready-mixed and mass concrete industries. Particularly emphasis has been placed on freeze-thaw durability and adverse reactions in concrete.

MACDONALD ENGINEERING PROJECTS LTD.

R.W. Macdonald, President
A.D. Liptak, Vice President & General Manager
T.A. Hamilton, Vice President Engineering
D.R. Hulbert, Purchasing Manager

HEAD OFFICE:
200, 1115 - 11 Avenue S.W.
Calgary, Alberta T2R 0G5
(403) 228-3366 TLX/TWX 038 27769

DESCRIPTION: Macdonald Engineering Projects Ltd. is a wholly owned and operated Alberta company providing consulting engineering, design, project management, procurement and field supervised installations to resource companies. The company was found in 1965 by Mr. R.W. Macdonald and has shown a steady growth and development since that time. It was initially involved in the drilling and testing of wells and over the past years has developed experience in the fields of projects, reservoir evaluations and production operations as well as maintaining high standards in drilling. On August 1, 1980, two new companies were formed, namely Macdonald Engineering Projects Ltd. and Macdonald Engineering & Associates (1980) Ltd. These new companies allowed for expanded ownership in the organization and further development within the oil and gas industry. In order that a total package can be offered to the industry as well as any one service, the formation of Macdonald Engineering Projects Ltd. has enabled the company to develop expertise in the following fields. Firstly, our company offers complete engineering design, specifications, procurement, expediting, construction supervision and start-up assistance to the oil refining and gas processing industry. Secondly, complete wellhead hook-ups, gas gathering system and oil flowline design including wellsite facilities are offered, utilizing computer modelling to optimize the design for a given flow condition. Thirdly, our company offers the ability to act as an E.P.C. contractor to handle a total turn-key project in oil refining or gas processing on a lump-sum basis, to client specifications. Our company offers its expertise in the wide range of natural gas processing, namely compression, glycol or desiccant dehydration, hydrocarbon dewpoint control and hydrocarbon fractionation. We also have achieved extensive knowledge in the sweetening of sour natural gas utilizing chemical or physical solvents such as Sepasolv MPE and others. In addition to natural gas processing, our company has been responsible for the design and installation of flow lines, oil batteries and storage facilities handling oils of various gravities from light to heavy crudes.

T.J. MACKAY PETROLEUM CONSULTING LIMITED

T.J. MacKay, P.Eng., President

HEAD OFFICE:
10th Floor, 407 - 8th Avenue S.W.
Calgary, Alberta T2P 1E5
(403) 265-5522

DESCRIPTION: Range of services in petroleum engineering. Areas of practice include petroleum property evaluation, reservoir engineering, pressure transient analysis, joint venture liaison, contract well operating.

JN MACKENZIE ENGINEERING LTD.

John MacKenzie, President
Monique MacKenzie, Vice President

HEAD OFFICE:
1056 Lake Christina Way S.E.
Calgary, Alberta T2J 2R3
(403) 271-3122

DESCRIPTION: The firm was initiated in March, 1983. The head office of the firm is in Calgary, with a field office in Grand Prairie. The purpose of the firm is to provide specialized expertise in the fields of applied hydrology and hydraulics, land drainage, computer simulation and optimization of water resource systems.

SPECIAL SERVICES: Specialized water resources engineering, water quantity/ quality analyses.

MACMASTER ENGINEERING LTD.

John F. MacMaster, President
Wilma G. MacMaster, Vice President

HEAD OFFICE:
Suite 280, 11012 MacLeod Trail South
Calgary, Alberta T2J 6A5
(403) 278-3604

DESCRIPTION: The company was established July 1, 1971 to perform specialized electrical engineering work for all applications in the oil, gas and petrochemical industry, general industry and commercial installations. The services offered include feasibility studies, preparing reports, designs, drawings, specifications and manuals to form complete bid and construction packages for high and low voltage power, control and automation systems, site inspections, commissioning and testing, performing power factor surveys to minimize energy billings, preparing fault capacity and protection coordination studies, developing comprehensive maintenance schemes and electrical project management and/or supervision of electrical design by contractors for owners. (Brochure Available).

SPECIAL SERVICES: Electric system protection coordination and fault level studies, power factor surveys and improvement design, large electric motor (to 30,000 h.p.) studies and installations, grounding systems design and testing, forensic investigations.

MAGNA ENGINEERING SALES LTD.

U. Vanbooydonk, Manager
D.A. Peterson, President
F.H. Granacher, Treasurer
A.Y. Allidina, Secretary
G.D. Holdaway, Director

HEAD OFFICE:
4207 - 98 Street
Edmonton, Alberta T6E 5R7
(403) 462-5881 TLX/TWX
037-41479

DESCRIPTION: The company was formed in 1985 to distribute electrical test equipment mainly for use in commissioning and maintenance of high voltage and industrial equipment and distribution systems. Training seminars on operation and maintenance of electric systems are also provided.

MAGNA IV ENGINEERING LTD.

D.A. Peterson, P.Eng., President
F.H. Granacher, Treasurer
A.Y. Allidina, B.Sc., Secretary
G.D. Holdaway, C.E.T., Director

HEAD OFFICE:
8704 - 51 Avenue
Edmonton, Alberta T6E 5E8
(403) 468-5508 TLX/TWX
037-42618

DESCRIPTION: The company was formed in January, 1982. The four broad areas of service are electrical engineering consulting in Studies and Analysis, System Design, Testing and Commissioning, and Computer Application.

OTHER CANADIAN OFFICES: Regina, Saskatchewan; Saskatoon, Saskatchewan

SUBSIDIARY INFORMATION: Magna Engineering Sales Ltd., 4207 - 98 Street, Edmonton, Alberta T6E 5R7. Major activity - sales of electrical test equipment.

MALTAIS ASSOCIATES SURVEYORS LTD.

I.C. Maltais, President
B.W. Gudim, Secretary-Treasurer

HEAD OFFICE:
10710A - 176 Street
Edmonton, Alberta T5S 1G7
(403) 483-2015

DESCRIPTION: Maltais Associates Surveyors Ltd. was incorporated in January, 1979, in Edmonton, Alberta. The firm offers a wide variety of survey services to governments and land and resource development industries in Alberta and Northern Canada. This includes land development surveys, construction and engineering surveys, resource development surveys, control surveys, cadastral surveys, utilities surveys, and industrial surveys. Specialized project services are offered for major construction projects, including primary control, and layout of engineering works.

SPECIAL SERVICES: Specialized expertise for major plantsite construction projects. Also, extensive experience with slope monitoring of open pit mines.

AFFILIATES: Maltais Industrial Surveys Limited, 10710A - 176 Street, Edmonton, Alta. T5S 1G7, ph. (403) 483-4646 - Industrial Project Surveys.

MANDHANE CONSULTING SERVICES LTD.

J. Mandhane, P. Eng., Principal Consultant

HEAD OFFICE:
408, 805 - 8th Avenue S.W.
Calgary, Alberta T2P 1H7
(403) 237-5800

DESCRIPTION: The firm was formed in 1984 in Calgary. Broad range of services in reservoir, petroleum, and enhanced recovery are provided to the oil and gas industry. The firm also specializes in multiphase fluid flow in pipelines and wells. Water associated with mostly gas transportation calculations are handled by the firm's software.

SPECIAL SERVICES: Software to design and analyse single/multiphase flow lines, software to design and analyse gas deliverability problem, expertise in supply of natural gas liquids.

MANRAY CONSULTING LTD.

Manoj N. Raythatha, P. Eng., Engineering Manager

HEAD OFFICE:
101, 280 Midpark Way S.E.
Calgary, Alberta T2X 2B5
(403) 256-2262

DESCRIPTION: The firm was formed in January, 1985 to provide consulting services to the land development industry in Calgary. The company provides a complete range of services including planning, approvals from the City of Calgary, detailed engineering design, construction supervision and engineering surveying. The staff has many years of land development experience in the Calgary area.

R.F. MANUEL ENGINEERING LTD.

R.F. Manuel, P. Eng., President

HEAD OFFICE:
92 Cypress Way S.E.
Medicine Hat, Alberta T1B 1G8
(403) 527-0575

DESCRIPTION: R.F. Manuel Engineering Ltd. provides structural consulting services in the building construction field. These services include design, drafting, specifications, failure investigations, performance reports, approvals, and certifications.

MAR BO INDUSTRIES LTD.

James Rush, President
Margaret Rush, Secretary

HEAD OFFICE:
6319 Dalbeattie Hill N.W.
Calgary, Alberta T3A 1M4
(403) 286-3300

DESCRIPTION: The firm was formed in 1975 in Calgary and incorporated in Alberta in 1975. Services are pipeline engineering, construction and management for oil and gas pipeline systems.

R.G. MARSHALL ENGINEERING & CONSTRUCTION LTD.

Robert G. Marshall, President

HEAD OFFICE:
8, 934 Memorial Drive N.W.
Calgary, Alberta T2N 3C9
(403) 283-4662, 290-7470

DESCRIPTION: The firm was formed and incorporated in 1978 in Calgary. The company specializes in providing geotechnical services to the oil and gas industry with particular emphasis on pipelines. The services which the firm specializes in include: pipeline route selection, river crossing design, drainage and erosion control design for pipeline right-of-ways, grading plans for pipeline right-of-ways, construction inspection and in field design changes. The firm also provides geotechnical inspection and remedial measure design for operating pipelines which develop erosion, foundation or slope stability problems.

SPECIAL SERVICES: Pipeline route selection, geotechnical pipeline design, buoyancy control, slope stability, river crossing design, drainage and erosion control, grading, pipeline operation and maintenance, geotechnical monitoring of right-of-way instability, design of remedial measures for slope instability and erosion problems.

MARTIN PETROLEUM CONSULTING LTD.

Ian Martin, Managing Partner
John M. Hewitt, Partner
George Ciyeung, Partner
Barbara Janman, Office Manager
Don Flood, Secretary-Treasurer

HEAD OFFICE:
Ste. 500, 808 - 4th Avenue S.W.
Calgary, Alberta T2P 3E8
(403) 264-5379

DESCRIPTION: Petroleum and reservoir engineering, evaluation of oil and gas companies and reserves.

SPECIAL SERVICES: Evaluation of oil and gas reserves.

MATRIX ENGINEERING LTD.

Ken Nelson, President
Karen Nelson, Treasurer

HEAD OFFICE:
#100, 9805 Horton Road S.W.
Calgary, Alberta T2V 2X5
(403) 259-0169

DESCRIPTION: The firm was incorporated in 1980 in Calgary. It has been involved in both rural acreage & urban land development projects. Work has included groundwater investigations, design of water distribution systems, roads & dams and spillways for rural subdivisions. Municipal Engineering services have been provided on a number of urban developments.

MATSALLA CONSULTING (1981) LTD.

Patrick M. Matsalla, President

HEAD OFFICE:
903 - 36B Street N.W.
Calgary, Alberta T2N 3B4
(403) 270-2375

DESCRIPTION: The firm was formed in 1978 in Calgary. The Company was reorganized in 1981. The firm offers a broad range of consulting services to the petroleum industry. Services include oil and gas reserve determination and evaluation, petrophysics, gas contract negotiation, computer applications and software development. Specialized services are offered in the evaluation, sale, purchase, and financial negotiation of petroleum assets.

AFFILIATES: Matsalta Holdings Limited, 903 - 36B St. N.W., Calgary, Alta. Matsalta Resources, Inc., 903-36B St. N.W., Calgary, Alta. Exploration, Drilling, Production of Oil and Gas in (1) Canada and (2) International, i.e. U.S.A.; Willcal Software Solutions Corp., 903-36B St. N.W. Calgary, custom software development.

MATSON ENGINEERING CONSULTANTS LTD.

James Matichuk, Dept. Head
Structural Engineering
Terrence Kozmech, Dept. Head
Municipal Engineering

HEAD OFFICE:
200, 4808 - 87 Avenue
Edmonton, Alberta T6E 5W3
(403) 468-5767

DESCRIPTION: The company began its operations in 1976 in Edmonton. The firm provides a broad range of services including architectural and structural design, municipal, land development, and environmental engineering services for both the public and private industry. In the last five years the firm has provided a specilized service in the area of bulk oil storage tank settlement, foundation design, and evaluation, for the oil refining industry in Canada.

MAXWELL ENGINEERING LTD.

D.C. Maxwell, President
G.E. Sklar, Vice President

HEAD OFFICE:
301, 3016 - 5th Avenue N.E.
Calgary, Alberta T2A 6K4
(403) 235-5440

DESCRIPTION: The firm was incorporated December, 1983 and came into being in January, 1984 in Calgary. The range of services include project management and development for the petroleum industry, financial planning and management and computer system development.

R.W. MAY & ASSOCIATES

Ronald W. May, President

HEAD OFFICE:
27 Livingstone Crescent
St. Albert, Alberta T8N 2H2
(403) 458-2585

DESCRIPTION: R.W. May & Associates Ltd. was formed in 1984 to meet an established requirement for specialist consulting services to industry and government with emphasis on areas related to engineering geology, resource evaluation, environmental studies and computer applications. The professional staff possess a background in both applied research and practical experience which assures a high level of quality in professional services. In addition to undertaking independent assignments, working relationships have been developed with other groups to allow the company to function as part of a multidisciplinary team.

SPECIAL SERVICES: Computer applications and statistical analysis capabilities for geological and environmental studies.

MB ENGINEERING LTD.

M.R. Berretti, President
K.F. Pilip, Vice President
A.R. Waldie, Secretary-Treasurer

HEAD OFFICE:
200, 15023 - 123 Avenue
Edmonton, Alberta T5V 1J7
(403) 451-6850 TLX/TWX
037-43247

DESCRIPTION: The company was incorporated in 1971 and is wholly Alberta owned by it's active employees. It provides a broad range of structural consulting services for commercial, institutional and industrial buildings, and bridge and grade separation projects. Services include preliminary design through final design, construction phase services, foundation design, structural evaluations and reports, and design and preparation of shop drawings for precast concrete elements. Extensive experience has been gained in designing for the extremes of temperature and permafrost conditions found in the Yukon Territory and the Northwest Territories.

McBRIDE CONSULTANTS LTD.

Ian F.B. McBride, President
Elizabeth J. McBride, Secretary

HEAD OFFICE:
6810 - 104 Street
Edmonton, Alberta T6H 2L6
(403) 435-9450

DESCRIPTION: In 1961, Ian F.B. McBride P. Eng. and H.S. Ragan P. Eng. formed a company known as McBride Ragan Consulting Engineers Ltd. to specialize in structural engineering designs for building frames and bridges. This company was restructured in 1976 as a corporate partnership and that is when Mr. McBride established his own company known as I.B. McBride Properties Ltd. The new company enabled Mr. McBride to carry his services into the partnership which was the successor of the original company. From the formation of the original company in 1961 until the corporate partnership was developed in 1976 Mr. Ian McBride was the company president. In 1983, Mr. McBride withdrew I.B. McBride Properties Ltd. from the partnership and he practiced engineering under that name. Early in 1985, the company name was changed to McBride Consultants Ltd., a name that more truly reflects the activities of the company. Mr. McBride has experience in engineering design and project leadership in addition to a working knowledge of the activities of other specialists in most phases of the engineering and construction industry. Also, as a founding member of the Alberta Arbitration and Mediation Society, he has become involved in this method of dispute resolution.

F.D. McCOSH RESOURCE CONSULTANTS LTD.

F.D. McCosh, P. Eng., Manager

HEAD OFFICE:
15 Templemont Drive N.E.
Calgary, Alberta T1Y 4Z5
(403) 280-2053

DESCRIPTION: The firm was formed in Calgary in 1985, being incorporated in Alberta during the same year. The company offers a variety of geological and geotechnical services to the mining and petroleum industries in the exploration, evaluation and development of resource projects. Both technical and management services are provided in the planning and implementation of field exploration programs, feasibility studies and operatunal evaluations of coal, oil sands and mineral projects. Special skills in computer evaluation and geological modelling including geostatistical ore reserve evaluation are available.

McCUTCHEON ENGINEERING LIMITED

Earnest S. McCutcheon, P. Eng., President

HEAD OFFICE:
13B, 1916 - 30 Avenue N.E.
Calgary, Alberta T2E 7B2

DESCRIPTION: The firm was formed in the fall of 1980 in Calgary and incorporated as McCutcheon Engineering Limited on January 1, 1986. The firm offers a full range of consulting in the building mechanical services. Besides HVAC, plumbing, building control and energy management system design for building, the firm has two major specialties in fire protection system design and in industrial ventilation and dust collection.

McDANIEL & ASSOCIATES CONSULTANTS LTD.

R.R. McDaniel, President
G.C. Knutson, Vice President
R.E. Hughes, Vice President
W.C. Seth, Vice President

HEAD OFFICE:
1200, 800 - 6th Avenue S.W.
Calgary, Alberta T2P 3G3
(403) 262-5506

DESCRIPTION: McDaniel & Associates Consultants Ltd. is an independent Canadian consulting firm founded in 1955 providing a wide range of services with respect to the oil and gas industry and, in particular, those aspects relating to reservoir engineering and economic evaluations of petroleum properties for over twenty nine years. The firm has been consulting in essentially all phases of oil and gas reservoir engineering and related economic evaluations and have been retained by both private and public companies, financial institutions and government organizations. Representatives of the firm have appeared as an 'expert witness' many times before the various regulatory authorities dealing in matters related to the oil and gas industry both in Canada and the United States.

McGUFFIN RESOURCE CONSULTANTS LTD.

Gordon A. McGuffin, President

HEAD OFFICE:
39 Templeridge Place N.E.
Calgary, Alberta
(403) 280-0321

DESCRIPTION: The firm was formed in Calgary. This is a one man company operated by a semi-retired P.Eng. The principal has over 35 years of experience in all upstream aspects of the oil and gas industry.

OTHER CANADIAN OFFICES: Radium, B.C.

McLEOD PETROLEUM CONSULTING LTD.

John G.F. McLeod, President

HEAD OFFICE:
265, 839 - 5th Avenue S.W.
Calgary, Alberta T2P 3C8
(403) 263-1454

DESCRIPTION: The firm was formed in 1985 to provide operating and engineering expertise to the oil and gas industry. Extensive engineering, supervisory and management experience will result in innovative, cost effective time solutions to problems.

SPECIAL SERVICES: Day to day management of oil and gas properties, reservoir engineering studies, operations engineering, economic evaluations.

McMURRAY PLANT AND FACILITIES ENGINEERING LTD.

Charles E. Cote', P. Eng., General Manager

HEAD OFFICE:
10614 - 172 Street
Edmonton, Alberta T5S 1H8
(403) 486-3393

ALBERTA OFFICES:
No. 2 Riedel Street
Fort McMurray, Alberta T9H 3E1

Bay 1, 4215 - 64 Avenue S.E.
Calgary, Alberta T2C 2C8

DESCRIPTION: Edmonton based, founded in 1984 by C.E. Cote'. Specialty building envelope investigation and construction (upgrading). Qualified application of specialized coatings and field manufactured polyurethane foam.

SPECIAL SERVICES: Polyurethane foam applications.

MEDHURST, HOGG, SOBOTTKA & ASSOCIATES LIMITED

David Medhurst, Principal
Robert Hogg, Principal
John Sobottka, Principal
Peter Leong, Manager Western Canada

HEAD OFFICE:
172 John Street, 2nd Floor
Toronto, Ontario M5T 1X5
(416) 585-9444

ALBERTA OFFICES:
1725 - 10th Avenue S.W.
Suite 210
Calgary, Alberta T3C 0K1
(403) 245-6003

DESCRIPTION: Medhurst, Hogg and Associates was founded in 1975 in Toronto. In 1985, the company became Medhurst, Hogg, Sobottka and Associates and a Calgary branch office was established. The firm offers a broad range of engineering services for all types of building structures which include repair or restoration investigations, structural design, construction supervision and inspection, and specification preparation. The firm is extensively involved in the field of condominiums. The range of experience, dating as far back as 1971, covers virtually every discipline in the technical and financial aspects of condominiums. Special services offered to the condominium industry include technical audits and engineered reserve fund studies.

OTHER CANADIAN OFFICES: Ottawa, Ontario

MEGA ENGINEERING LTD.

R.J. Russell, President
R.W. Ecker, Vice-President
H.O. Opseth, Vice-President-Completions
F.J. Foster, Head Geologist-Vice-President

HEAD OFFICE:
625 - 4 Avenue S.W.
Calgary, Alberta T2P 0K2
(403) 263-0894 TLX/TWX
03-822659

DESCRIPTION: Mega Engineering Ltd. was formed in 1964 as Helton Engineering Ltd., in Calgary, Alberta, Canada, and has since become recognized as a major in the petroleum consulting field. The company is 100% Canadian and is wholly owned by the senior management personnel, all of whom are registered professional engineers in one or more Canadian provinces. Our main area of expertise is in the area of planning, designing, and onsite engineering and geological supervision of oil and gas well drilling and completion operations. We have been actively involved in many Canadian projects as well as several international petroleum developments. In Canada, we have provided onsite construction, drilling, completion and geological supervision for most of the major operators and for many of the medium-sized and junior companies. We have also supplied in-house consulting engineering and geological services for several companies. Internationally, our firm has been active in engineering and geological supervision and onsite management for drilling operations in Europe, South America, Asia, the Middle East and North Africa.

SPECIAL SERVICES: Our main expertise is in the area of planning and management of oil and gas well drilling, well completions and workovers, and production testing.

MERGE CONSULTING LTD.

G.R. Maxwell, P.Eng., President
C.R. Maxwell, Secretary-Treasurer

HEAD OFFICE:
Ste. 108, Campbell Business Centre
205 Carnegie Drive, P.O. Box 359
St. Albert, Alberta T8N 1N3
(403) 458-0775

DESCRIPTION: The company was incorporated in Alberta in 1978. An office was opened in St. Albert in 1979. The company provides a broad range of services to municipalities in municipal engineering and land development projects. Services include: sewage collection, treatment and disposal; water supply, treatment, storage and distribution; storm water drainage and management; street and highway design.

MERLIN PETROLEUM SERVICES LTD.

Gregory M. Euwonus, President
Leslae Dalpiaz, Office Manager
Dawn Euwonus, Reception & Accounting

HEAD OFFICE:
207, 239 - 12th Avenue S.W.
Calgary, Alberta T2R 1H6
(403) 234-9555

SPECIAL SERVICES: A very qualified staff of wellsite geologists with experience from all over the world.

SUBSIDIARY INFORMATION: JDLE Holdings Ltd., 207, 239 - 12th Avenue S.W., Calgary, major activities - holding company.

METALTA TECHNOLOGY LTD.

James M.E. Wallbridge, Managing Director

HEAD OFFICE:
5823 - 20 Street S.W.
Calgary, Alberta T3E 1R7
(403) 243-1664

DESCRIPTION: The company was incorporated in Alberta in 1980. A broad range of services are offered regarding the use of metal by industry. Preferred fields of practice include materials specifications, failure analysis, quality plans and audits and metallurgical engineering. Specialization is with respect to pressure piping and components particularly in the oil and gas industry.

MHL INTERNATIONAL LTD.

M.T. Moriarity, P.Eng., President

HEAD OFFICE:
500, 1177 - 11th Avenue S.W.
Calgary, Alberta T2R 1K9
(403) 229-3666

DESCRIPTION: MHL International Ltd. is a wholly Canadian owned, Calgary based, consulting architectural/engineering and management oganization. The firm's roots date back to 1963 when it was originally established a a multi-disciplinary consulting architectural/engineering firm in the areas of civil, commercial, industrial, agricultural, multi-family residential, and insititutional structures. In the early 1970's the firm was re-organized and expanded its base to include project and construction management of building projects. This expansion provided both the technical design staff and the project management personnel the opportunity for mutual access to and an understanding of the technical and practical problems associated with design and construction. Subsequent diversification into areas of project development and investment in the mid 1970's not only led to the establishment of in-house property management and property maintenance but it afforded the technical and construction personnel a further level of understanding and appreciation of the operational and economic viability of a project. Conversely, access to in-house technical expertise became readily available to operation and maintenance personnel.

G. MICHAELS CONSULTING LTD.

Geoffrey C. Michaels, President
Shirley Anne Michaels, Secretary-Treasurer

HEAD OFFICE:
6307 - 125 Street
Edmonton, Alberta T6H 3V8
(403) 438-2101

DESCRIPTION: The firm was founded and incorporated in 1974 in Edmonton. It has provided continuous software services to engineering and industrial clients since then. The primary services offered are real-time process control software support, including customization and enhancement of vendor software systems. Significant services are offered in support of EMCON-D software. Extensive projects have been done in Edmonton, Fort Saskatchewan, Joffre and Calgary in Alberta; and in Prudhoe Bay, Alaska and Houston, Texas.

SPECIAL SERVICES: The firm is able to undertake support of existing software systems, including customization and enhancement.

MICROLOGIC LIMITED

Robert C. Atkins, President
Linda M. Atkins, Secretary-Treasurer

HEAD OFFICE:
#14, 2280 - 39th Avenue N.E.
Calgary, Alberta T2E 6P7
(403) 250-2911

DESCRIPTION: MICROLOGIC LIMITED was established in 1978 to provide electronics consulting services to industry. We specialize in instrumentation services for oil and gas exploration including microprocessor based equipment for monitoring and control applications. Our background in harsh environment electronics and operations, coupled with our complete design, fabrication and testing facilities permits us to provide reliable service and fast response.

SPECIAL SERVICES: MICROLOGIC LIMITED specializes in the design and development of microprocessor based instrumentation including both the software and hardware necessary to solve unique problems to the oil and gas industry.

MICROSIM PETROLEUM SOFTWARE CORP.

B. Agbi, President

HEAD OFFICE:
701, 706 - 7th Avenue S.W.
Calgary, Alberta T2P 0Z1
(403) 233-0100 TLX/TWX
03821820

DESCRIPTION: MICROSIM is a Canadian corporation operating across North America and worldwide in the petroleum reservoir and production engineering field. MICROSIM provides to this marketplace easy-to-use software products. MICROSIM software products are supported on Hewlett-Packard/UNIX systems, VAX/VMS systems, PRIME primos systems, and IBM systems; and available on any FORTRAN compatible system. MICROSIM offers one of the most comprehensive petroleum reservoir and production software packages in the energy industry. The company also offers a comprehensive consulting service. MICROSIM products and services are backed by a highly qualified and dedicated team of professionals who have distinguished themselves in the industry.

SPECIAL SERVICES: MICROSIM provides an integrated total software package for everyday petroleum engineering calculations. It has one of the most comprehensive petroleum production and reservoir engineering software packages in the world.

SUBSIDIARY INFORMATION: MICROSIM Well Testers Ltd., 421 Manitou Road S.E., Calgary, Alberta.

MID-CANADA CONSULTING GROUP LTD.

M.J. Rosseker, P.Eng., President
D.R. Rosseker, Secretary

HEAD OFFICE:
17 Rowland Crescent
St. Albert, Alberta T8N 3X4
(403) 458-0078

DESCRIPTION: Mid-Canada Consulting Group Ltd. is a Consulting Engineering Practice Incorporated in 1978, specializing in structural and foundation design. Projects undertaken are many and varied, encompassing government and civic buildings, towers, office buildings, apartments, medical clinics, recreational facilities and office/warehouse structures. There has been no specialization as to building types or sizes with the firm willing to accept clients with any type of structural situation, be it design, or investigation and report production. More recently the firm has become involved in several restoration and/or renovation projects. Mid-Canada Consulting Group Ltd. is licenced to practice in Alberta, Saskatchewan, British Columbia, and Manitoba. If required, outside consultants such as mechanical, electrical, geotechnical, and architectural are employed. Design produced by the firm is oriented to client satisfaction with emphasis on function, budget, restrictions, and time schedules.

MILAR ENGINEERING LIMITED

M.M. Chmilar, President

HEAD OFFICE:
325 Wildwood Drive S.W.
Calgary, Alberta T3C 3E4
(403) 242-2600

DESCRIPTION: The firm was formed in 1963 and incorporated in 1964. Services offered are complete process and mechanical engineering in the energy and chemical fields.

MILLIGAN ENGINEERING SERVICES LTD.

M.F. Milligan, President

HEAD OFFICE:
P.O. Box 247
Hinton, Alberta T0E 1B0
(403) 865-4326

DESCRIPTION: Company established July, 1985 in Hinton. Provides civil and geotechnical design services, including construction supervision, to the major industries in the surrounding area. In addition, the company provides services to government agencies related to road, bridge and water management design. Municipal services are also available to the surrounding towns.

SPECIAL SERVICES: Specializes in heavy civil engineering projects, such as dams, bridges, etc.

MINPROBE CONSULTANTS LTD.

M.E. Holter, P. Eng., P. Geol., President

HEAD OFFICE:
1052 Lake Christina Way S.E.
Calgary, Alberta T2J 2R3
(403) 278-0546

DESCRIPTION: Minprobe Consultants Ltd. was incorporated in 1981 with an office established in Calgary. Services are principally offered for geological evaluations of coal, potash, and oil and gas properties.

MITCHELL & ASSOCIATES LTD.

A. Hoadley Mitchell, P. Eng., Chairman of the Board
John B. Mitchell, President
Roger A. Delbaere, P. Eng., Vice President Engineering

HEAD OFFICE:
P.O. Box 3827
11030 - 127 Street
Edmonton, Alberta T5L 4J8
(403) 453-2311

DESCRIPTION: Founded in May of 1949. Formed and managed oil and gas divisions of three major Canadian companies. Currently operates or provides management and accounting services for over thirty clients and approximately 700 oil and gas wells and eleven gas processing/compression facilities in Western Canada.

SPECIAL SERVICES: Oil and gas asset managers.

M.J.P. & ASSOCIATES ENGINEERING CO. LTD.

M.J. Perlynn, P.Eng., President

HEAD OFFICE:
#254 Dowling Estates
53049 Rge. Rd. 220
Ardrossan, Alberta T0B 0E0
(403) 922-4750

DESCRIPTION: The firm was formed and incorporated in 1980 in Edmonton. A broad range of services in structural engineering for all types of building structures related to civil engineering work. Services include building structures and foundations, industrial buildings, structural evaluations, shop drawings, and specialized services in microwave tower design and analysis. SPECIAL SERVICES: Design and analysis of microwave towers and telecommunication supporting structures.

MKH RESOURCES LTD.

Mervin Hayes, President & P. Geoph
Karen Hayes, Vice President

HEAD OFFICE:
103 Midvalley Place S.E.
Calgary, Alberta T2X 1K3
(403) 256-7870

ALBERTA OFFICES:
300, 1204 Kensington Road N.W.
Calgary, Alberta T2N 3P5

DESCRIPTION: The firm was incorporated in 1983. Broad range of services include all aspects of geophysical consulting from field acquisition to geophysical interpretation.

MKM ENGINEERING CONSULTANTS

J.G. MacGregor, P. Eng., President
G.L. Kulak, P. Eng., Secretary-Treasurer
D.W. Murray, P. Eng., Director

HEAD OFFICE:
9239 - 118 Street
Edmonton, Alberta T6G 1T8
(403) 432-5114

DESCRIPTION: The firm was formed in 1981 to offer specialized services in structural engineering. Our preference is to work together with other consultants. MKM Engineering Consultants offers expertise in structural design in reinforced concrete and structural steel and advanced structural analyses. Investigations of structural problems and failures are a specialty.

MLM GROUND-WATER ENGINEERING LTD.

Allan Lissey, President

HEAD OFFICE:
31 Brunswick Crescent
St. Albert, Alberta T8N 2K5
(403) 458-8383

DESCRIPTION: MLM Ground-Water Engineering was established in 1977 to provide consulting services in the field of ground-water hydrology. Since that time MLM has completed over three hundred projects for a wide variety of private and government clients. Services include: local and regional ground-water evaluation, ground-water resource development, contaminant hydrogeology, environmental impact assessment, dewatering and ground-water research.

C.E. MOELL & ASSOCIATES LTD.

Charles E. Moell, P.Geol., President

HEAD OFFICE:
212, 17205 - 106A Avenue
Edmonton, Alberta T5S 1M7
(403) 483-0146

DESCRIPTION: C.E. Moell & Associates Ltd. was incorporated in 1979 and has operated from an Edmonton office since that time. The firm provides a wide range of geological and hydrogeological services, primarily in the environmental and resource development fields. Applications in the environmental area include identification of hydrogeologically sound areas for the development of waste management facilities, and hydrogeologic investigations for exploration and delineation of coal and aggregate resources, and hydrogeologic investigations for groundwater exploration and development. The specialized services offered by the firm have found application at the municipal and provincial government levels, and within a broad spectrum of existing and planned industrial developments.

MOH AND ASSOCIATES OILFIELD CONSULTANTS LTD.

Moh Sabota, President
Bryan L. Bellman, Vice President, Chief Geologist
Dawn Haffey, Director

HEAD OFFICE:
102, 610 - 4th Avenue S.W.
Calgary, Alberta
(403) 263-5440

ALBERTA OFFICES:
11203 University Avenue
Edmonton, Alberta T6G 1Y7

DESCRIPTION: The firm was initially formulated as a two man organization at the beginning of 1979. An Edmonton office was opened in 1980 and an office in Calgary in 1982. With the current base of operations centralized at Calgary, Alberta, the company has been actively involved in projects in Western Canada. Moh and Associates provides geological and geo. engineering services in the following areas: oil and gas exploration and development, wellsite geological supervision, geotechnical investigation, environmental research and planning, local and regional hydro-geological assessments.

MOLDENHAUER GEOLOGICAL CONSULTING LIMITED

Lee Moldenhauer, P. Geol., President

HEAD OFFICE:
32 Beaverbrook Crescent
St. Albert, Alberta T8N 2K8
(403) 458-3395

DESCRIPTION: The firm was incorporated in 1985 although it has been in existence since 1978. Specialization has been in wellsite geology with lesser emphasis on oil sands geology and related project work.

MONENCO CONSULTANTS LIMITED

J.K.C. Mulherin, Chairman
A. Skinner, President
R.L. Benson, Vice President, Western Region
Y.C. Lim, Manager, Oil and Gas
A.H. Stretch, Manager, Industrial
C.G. Williams, Manager, Utilities

HEAD OFFICE:
400 Monenco Place
801 - 6th Avenue S.W.
Calgary, Alberta T2P 3W3
(403) 298-4170 TLX/TWX
038-22636

ALBERTA OFFICES:
2nd Floor, 12420 - 104th Avenue
Edmonton, Alberta T5N 3Z9
(403) 482-5456

201 Professional Building
740 - 4th Avenue South
Lethbridge, Alberta T1J 0N8

DESCRIPTION: Monenco Consultants Limited, a wholly owned subsidiary of Monenco Limited, provides engineering consulting services for the power generation and transmission industry, for mining, water resources and environmental developments and for general industrial, building and transportation projects around the world. Monenco companies have been providing consulting services in Alberta for more than 65 years.

SPECIAL SERVICES: Engineers, constructors and project managers.

OTHER CANADIAN OFFICES: Vancouver, B.C.; Montreal, P.Q.; Regina, Saskatchewan; Halifax, Nova Scotia; St. John's, Nfld.; St. Catharines, Ottawa and Toronto, Ontario; Winnipeg, Manitoba.

OTHER FOREIGN OFFICES: Through Monenco Limited, Monenco Consultants has affiliated offices in: New York, N.Y.; Clearwater, Florida; Bristol, U.K.; Singapore, Malaysia; and various project offices in Africa and Southeast Asia.

SUBSIDIARY INFORMATION: Saskmont Engineering Ltd. - building and consulting services; Monenco Offshore Limited - offshore petroleum development; The DPA Group Inc. - management consulting; Monenco Industrial Technology - analytical support services and consulting.

AFFILIATES: Monenco Consultants Limited, as part of the Monenco group of companies, is affiliated or associated with some 40 companies of which Monenco Engineers & Constructors Inc., Monenco Enterprises and Monenco Inc. are the chief operating subsidiaries. Monenco Engineers & Constructors Inc. through its head office in Calgary provides EPC services to the oil, gas, pipeline and utility industries. Monenco Enterprises provides consulting, research and development services for the computerized management of information. Monenco Inc. provides all of the previously mentioned services in the U.S. through offices in Florida and New York.

MONENCO ENGINEERS & CONSTRUCTORS INC.

R.L. Benson, Vice President and Manager
Y.C. Lim, Vice President, Technology
B.V. Comber, Vice President, Operations
J.H. Newman, Manager, Business Development
D. Davis, Secretary-Treasurer

HEAD OFFICE:
400 Monenco Place
801 - 6 Avenue S.W.
Calgary, Alberta T2P 3W3
(403) 298-4170 TLX/TWX
038-22636

ALBERTA OFFICES:
12420 - 104th Avenue
2nd Floor
Edmonton, Alberta T5N 3Z9
(403) 482-5456

DESCRIPTION: Monenco Engineers & Constructors (ME&C) is a major Canadian-owned engineering and construction company. Head office and Western division offices are in Calgary, Alberta; Eastern division offices are in Toronto, Ontario and project offices are located in Montreal, Quebec and Edmonton, Alberta. ME&C provides a full range of engineering, procurement, project management and construction services to the natural gas, petroleum refining, petrochemical, chemical and synthetic fuels industries, pipeline and utilities industries in Canada and abroad.

SPECIAL SERVICES: Monenco Engineers & Constructors Inc. is a fully integrated project management, engineering, procurement and construction company.

OTHER CANADIAN OFFICES: Toronto and St. Catharines, Ontario; Montreal, Quebec.

AFFILIATES: Monenco Limited, Calgary, is our parent company.

MONENCO LIMITED

J.K.C. Mulberin, Chairman
A. Skinner, President
R.L. Benson, Vice President, Western Region

HEAD OFFICE:
400 Monenco Place
801 - 6th Avenue S.W.
Calgary, Alberta T2P 3W3
(403) 298-4170 TLX/TWX
038-22636

ALBERTA OFFICES:
12420 - 104th Avenue, 2nd Floor
Edmonton, Alberta T5N 3Z9

201 Professional Building
740 - 4th Avenue South
Lethbridge, Alberta T1J 0N8

DESCRIPTION: Monenco Limited is Canadian-owned and is one of the largest organizations of project management, construction management and engineering professionals in Canada. The company provides integrated and complete project management, engineering, procurement and construction services for large complex projects in such diverse fields as the oil and gas industry, petrochemicals, thermal, nuclear and hydro power generation, mining, environmental, water treatment, pulp and paper, industrial plants, airports, pipelining, power transmission, and institutional and commercial buildings. Brochure available.

SPECIAL SERVICES: Engineers, constructors and project managers.

OTHER CANADIAN OFFICES: Vancouver, B.C.; Regina, Saskatchewan; Winnipeg, Manitoba; St. Catharines, Ottawa, and Toronto, Ontario; Montreal, P.Q.; Halifax, Nova Scotia; and St. John's, Nfld.

OTHER FOREIGN OFFICES: New York, N.Y.; Clearwater, Florida; Bristol, U.K.; Singapore, Malaysia; and various project offices in Africa and Southeast Asia.

SUBSIDIARY INFORMATION: Monenco Consultants Limited - engineering and project management; Monenco Engineers & Constructors Inc. - EPC services for oil and gas, pipeline and utility projects; Monenco Enterprises Limited - computerized management of information; Monenco Inc. - provides all these services in the U.S.

AFFILIATES: Monenco Limited has approximately 20 associates. These companies offer a full range of services in diverse areas from marine sciences to nuclear project management.

MONITOR ENGINEERING LTD.

Hugh West, President
Ivo Fodor, Secretary

HEAD OFFICE:
15625 - 112 Avenue
Edmonton, Alberta T5M 2V8
(403) 451-5189/998-0808

ALBERTA OFFICES:
R.R. 1, Site 15
Fort Saskatchewan, Alberta

DESCRIPTION: The firm was formed in 1985 in Edmonton, Alberta. The services include the execution of of predictive maintenance programs for hospitals and other facilities.

NORBERT R. MORGENSTERN CONSULTING & INVESTMENTS LTD.

N.R. Morgenstern, President

HEAD OFFICE:
106 Laurier Drive
Edmonton, Alberta T5R 5P6
(403) 486-5344

DESCRIPTION: The firm was formed in 1969 to offer specialized geotechnical consulting services.

J.K. MORRISON RESOURCES LTD.

J.K. Morrison, President/Geophysical Consultant
M.C. Morrison, Secretary-Treasurer

HEAD OFFICE:
2724 Crawford Road N.W.
Calgary, Alberta T2L 1E1
(403) 289-8953

ALBERTA OFFICES:
704, 630 - 8th Avenue S.W.
Calgary, Alberta T2P 1G6
(403) 264-8018

DESCRIPTION: The firm was formed and incorporated in Calgary, Alberta in 1980. Initial investments included real estate and livestock. A geophysical consulting operation was begun in November, 1984, offering services in international and domestic interpretation and in project management.

MOSS INDUSTRIAL SERVICES LTD.

F. Howard Moss, President & General Manager

HEAD OFFICE:
4043 Aspen Drive East
Edmonton, Alberta T6J 2A7
(403) 437-0228

DESCRIPTION: The firm established in Edmonton in January of 1975. Fields of expertise include many phases of engineering and construction based on 34 years of experience (8 with a major chemical industry and 14 with a major contractor - on government, chemical, petroleum and industrial complexes.) Basically the company will provide general engineering, feasibility studies, estimating & cost control, job scheduling, procurement, expediting, inspection, field supervision, construction and project management to small and medium sized industrial and government operations in Northern Alberta.

SPECIAL SERVICES: Firm basically tied to industrial plant problems, engineering design, and project management.

MPE ENGINEERING LTD.

H. Dale Miller, President
Jozef Prozniak, Vice President

HEAD OFFICE:
1222 - 3rd Avenue S.
Lethbridge, Alberta T1J 0J9
(403) 329-3440

DESCRIPTION: The firm was formed in Jan., 1983 in Lethbridge. It was incorporated in Alberta in 1983. Broad range of services in the irrigation, flood control and drainage fields, including designs, construction and project management.

SPECIAL SERVICES: Irrigation expertise, including structural capabilities.

OTHER CANADIAN OFFICES: Regina, Saskatchewan

MRW ENGINEERING LTD.

M. Kiley Waite, President & Secretary

HEAD OFFICE:
701 - 15th Street N.W.
Calgary, Alberta T2N 2B3
(403) 283-7887

DESCRIPTION: Complete petroleum engineering services, from reservoir to surface facilities. Projects handled from feasibility study to start up. Particular emphasis on downhole work and facilities design.

J.M. MULLIGAN & ASSOCIATES LTD.

J.M. Mulligan, P.Eng., President

HEAD OFFICE:
10308 - 121 Street
Edmonton, Alberta T5N 1K8
(403) 488-0185

DESCRIPTION: A limited company incorporated in the Province of Alberta in 1967, with its head office in Edmonton. Services offered include structural and general engineering design in steel, concrete, and timber structures and substructures; structural investigation reports and field inspection of structures. The firm may be retained as a prime consultant for securing end results in conformity with approved objective, policies and standards of the client, or as a structural sub-consultant for the purpose of integrating structure with architectural concepts. Past commissions as a prime consultant included structure for nuclear slow poke reactor, research buildings for agricultural purposes, meat packing plants, people transport service and maintenance facilities, asbestos abatement programmes for primary, secondary and university level educational facilities, and parkade restoration from sodium chloride damage. As sub-consultant, recent commissions involve, hospital structures, educational facilities, provincial government buildings such as circuit courts, administrative, ALCB, agriculture.

SPECIAL SERVICES: Preparation & development of: meat packing plants, abattoirs, coal plan structures, church buildings, asbestos abatement services, renovations and alterations, people transport facilities and maintenance structures, educational buildings, river wharfage and parkade restoration.

MUNGAN PETROLEUM CONSULTANTS LTD.

Necmettin Mungan, President
Gunilla Mungan, Secretary

HEAD OFFICE:
724 Calgary House
550 - 6th Avenue S.W.
Calgary, Alberta T2P 0S2
(403) 265-1070

DESCRIPTION: The Company was formed and incorporated in 1978. Worldwide consulting services are offered in enhanced oil and gas recovery, reservoir engineering, teaching of special petroleum courses, setting up research centers for resource development, assisting universities in petroleum engineering schools and curricula. Countries where projects have been completed include: Canada, The U.S.A., Mexico, Venezuela, Hungary, The People's Republic of China, Turkey and India. Brochure available.

SPECIAL SERVICES: Expertise in enhanced oil and gas recovery.

M.W. BIOMEDICAL INSPECTION SERVICES LTD.

Donald McFarlane, P. Eng., President

HEAD OFFICE:
206, 4104A - 97th Street
Edmonton, Alberta T6E 5Y6
(403) 463-3877

DESCRIPTION: The firm was established in 1979 in Edmonton, to provide engineering and technical services to Alberta hospitals. Services include testing and certification of medical gas piping systems (CSA Qualified Testing Agency), testing of medical equipment, and custom electron instrument design.

NAGATOMI ENGINEERING LTD.

T. Nagatomi, President

HEAD OFFICE:
463 Brookmere Crescent S.W.
Calgary, Alberta T2W 2R2
(403) 238-0900

DESCRIPTION: The firm was formed in 1981 in Calgary and incorporated serving the Province of Alberta and British Columbia; in natural gas processing and transportation, oil gathering, treating as well as transporting. Services also provided are project management, construction supervision and start-up assistance.

NANUK ENGINEERING & DEVELOPMENT LTD.

Mike Thompson, President
Gus Norman, Secretary-Treasurer

HEAD OFFICE:
116 River Avenue
P.O. Box 817
Cochrane, Alberta T0L 0W0
(403) 932-3595

DESCRIPTION: Nanuk Engineering & Development Ltd. was formed in January, 1980 and offers specialist services in water resource planning and engineering. The company also has the capability to provide specialist structural analysis and design for timber and concrete structures. Historically, the company is an outgrowth of Thompson, Bercha and Associates founded in 1978 by two engineers with special skills in engineering research, structural analysis and the application of computer programs to engineering problems. A reputation for expert hydrologic analysis, hydraulic design and computer simulation has resulted in a diversified clientele including Parks Canada, Nova, Alberta Environment, Public Works, Recreation and Parks and Skiing Louise. The company services clients in Alberta, Saskatchewan and Eastern British Columbia from its office in Cochrane, Alberta.

SPECIAL SERVICES: Systems analysis of water resource projects. Hydrologic simulation. Water supply for recreation and industrial projects.

NARAYAN CONSULTANTS LTD.

Narayan A. Goswami, President

HEAD OFFICE:
2500 Sun Life Plaza
144 - 4th Avenue S.W.
Calgary, Alberta T2P 3N4
(403) 264-2025

SPECIAL SERVICES: Significant experience in international exploration and petroleum geology.

ALLAN R. NELSON ENGINEERING LTD.

Allan R. Nelson, President

HEAD OFFICE:
200, 17510 - 102 Avenue
Edmonton, Alberta T5S 1K2
(403) 483-3436

DESCRIPTION: The firm was established in 1966 and incorporated in 1975. The firm offers a range of services, specializing in machinery design and failure analysis. Recently the firm has undertaken projects in manufacturers' factory automation and computer software projects involving implementation of artificial intelligence technology.

J.K. NELSON & ASSOCIATES LTD.

J.K. Nelson, President
L.A. Nelson, Secretary-Treasurer

HEAD OFFICE:
3528 Lakeside Crescent S.W.
Calgary, Alberta T3E 6A6
(403) 242-7404

DESCRIPTION: J.K. Nelson & Associates Ltd. was incorporated as an Alberta private company early in 1979. It offers process evaluation and project development services to the gas processing, petrochemical and refining industries. The company operates primarily by offering the services of Ken Nelson, its principal, but may also enter into short term arrangements with other consultants if warranted by the size of a particular work assignment or its need for special skills outside the experience of the principal. Ken Nelson is a Chemical engineer with 24 years experience as an employee of operating companies (half with a major Canadian petrochemical company and half with an integrated Canadian oil company) in addition to his consulting experience. He has worked in a variety of roles including project management, engineering management, process design, pilot plant operation, corporate planning, economic evaluation, and new product marketing. Special areas of experience and interest include: Cryogenic recovery of natural gas liquids; Heavy oil upgrading; Hydrate prevention in gas processing; Oil refining (catalytic cracking, reforming, hydrotreating, alkylation, polymerization, isomerization, distillation, light ends recovery); LPG dehydrogenation and isomerization; Hydrogen and synthesis gas production; Olefins and polymers; Salt cavern storage of natural gas liquids; Acid gas removal from natural gas and liquids; Environmental emission control for process plants. The company has provided services to approximately 20 customers during the past five years, usually on a part time 'as required' basis. Its main objective is to supplement the customer's own technical and project management during times of unusually high activity or in areas of particular expertise and experience.

NEOTECHNOLOGY CONSULTANTS LTD.

G.A. Gregory, President
E.A. De Souza, Manager

HEAD OFFICE:
2723 - 37th Avenue N.E.
Calgary, Alberta T1Y 5R8
(403) 219-1020 TLX/TWX
03-821907

DESCRIPTION: The company was incorporated in Alberta in 1972. Neotec offers a highly specialized expertise in the analysis of single phase and multiphase (gas-liquid) flow that is particularly oriented toward the oil and gas industry. Neotec's comprehensive library of state-of-the-art computer programs is available throughout the world on major international computer timesharing networks. All of the Neotec programs can also be leased or purchased for in-house mainframe computing systems and IBM-PC microcomputers. Other services include direct consulting on the design and analysis of pipelines, gathering systems, wells, fluid property estimation, and gas deliverability forecasting; scheduled short courses and specially designed in-house courses, both of which are offered around the world.

SPECIAL SERVICES: Modelling and simulation of multiphase flow in pipes. Gas deliverability forecasting. IBM-PC Microcomputer software.

NESCO CONSULTING LTD.

Verne Jones, President

HEAD OFFICE:
17308 - 106 Avenue
Edmonton, Alberta T5H 3B5
(403) 486-1766

DESCRIPTION: The firm was incorporated in Alberta in 1967. Services provided include feasibility studies, design and construction supervision for civil and municipal engineering projects such as airports, streets & roads, drainage, water supply treatment & distribution, sewage collection & treatment, water & sewage pumping stations, commercial, industrial & residential buildings.

R.E. NEWMAN EXPLORATION CONSULTANTS LTD.

R.E. Newman, President
E.A. Newman, Secretary

HEAD OFFICE:
809 - 4 Street S.W.
Calgary, Alberta T2P 1T7
(403) 233-8118

DESCRIPTION: R.E. Newman Exploration Consultants Ltd. was incorporated in 1979. The company offers a full range of geophysical consulting services specializing in interpretation of seismic data in Canada and throughout the world.

NEWTON SOIL & FOUNDATION CONSULTANT

Wen Wu, Manager

HEAD OFFICE:
5568 Dalhart Hill N.W.
Calgary, Alberta T3A 1S9
(403) 288-7011

DESCRIPTION: The firm was formed in 1983 with sole proprietorships in Calgary, Alberta. The service is mainly in geotechnical engineering work. Services include soil and foundation investigations, piling inspection, foundation design for civil structures, soil bearing capacity estimations, slope stability analysis, earth structures design and seepage analysis.

SPECIAL SERVICES: Soil bearing capacity for building. Slope stability analysis.

NOBLE ENGINEERING LTD.

Leslie L. Luczi, Principal Consultant
Margaret A. Luczi, Secretary-Treasurer

HEAD OFFICE:
172 Edelweiss Drive N.W.
Calgary, Alberta T3A 3M1
(403) 239-8918

DESCRIPTION: The firm was formed in 1983 in Calgary and incorporated in Alberta in the same year. The Corporation offers consulting services to the oil and gas industry in the area of reservoir engineering studies, evaluation of properties for unitization, acquisition or sale, economic evaluations for land sale or capital investment, well test design and evaluation of productivity, submissions to Government bodies for project approvals in the area of oil and gas pools' developments, depletions, modifications and abandonments. Technical staff training in the above areas on client's premises.

NORCANA RESOURCE SERVICES LTD.

R.M. Baillie, President
R.E. Pattinson, Vice President
A.J. Brillon, Secretary

HEAD OFFICE:
4750 - 30 Street S.E.
Calgary, Alberta T2B 2Z1
(403) 235-6655

DESCRIPTION: The company was formed in 1967 in Calgary. The company provides clients with tracked, wheeled and heli portable seismic exploration crews for the collection of seismic data.

NOREL ENGINEERING

N.R. Elliot, P.Eng., Manager & Chief Engineer

HEAD OFFICE:
2nd Floor, 10358 - 172 Street
Edmonton, Alberta T5S 1G9
(403) 486-0233

DESCRIPTION: Founded in March 1982, Norel Engineering provides mechanical engineering consulting services to prime consultants on commercial, residential, institutional and industrial building projects. By concentrating its engineering services on building mechanical systems, Norel has developed an extensive experience in the design, construction and operation of heating, ventilating, air conditioning, plumbing and fire protection systems.

NORRES ENGINEERING SERVICES LTD.

Len Stenvall, P.Eng., President
Linda Stenvall, Vice President

HEAD OFFICE:
652 Woodbridge Way
Sherwood Park, Alberta T8A 4E4
(403) 467-1401

ALBERTA OFFICES:
244 Parkglen Crescent
Calgary, Alberta

DESCRIPTION: Norres Engineering Services was incorporated January 1983. Broad range of services to be provided by NES are mainly directed to the pipeline construction industry. These services include cost estimating, scheduling, bid preparation including tender documents and tenders, inspection, quality control & assurances services, project management, construction and logistical planning.

SPECIAL SERVICES: The principal of the company has gained substantial experience over the last 17 years in the pipeline industry, having worked for the contractor, owner and consulting companies. NES was incorporated as a means to share and market this expertise.

NORTECH SURVEYS (CANADA) INC.

W.R. Dabbs, President
Alex Hittel, Chairman & Chief Executive
Gerard Lachapelle, Vice President, Advanced Technologies
Tim Crago, Vice President, Business Development
Robert Johnson, Director
Dave Smith, Director

HEAD OFFICE:
319 - 2nd Avenue S.W.
Calgary, Alberta T2P 0C5
(403) 262-0800 TLX/TWX
03-827983

ALBERTA OFFICES:
All-West Surveys Division
205, 10741 - 124 Street
Edmonton, Alberta T5M 3V5
(403) 454-9534

DESCRIPTION: Nortech Surveys (Canada) was formed in early 1983 when current management purchased the assets and technology from Sheltech, A Division of Shell Canada Limited. Nortech is a Canadian company with employees holding over 50 percent of the common stock. Other major investors are Flextech, P.L.C. and Newmarket Company (1981) Ltd. These two U.K. based venture capital companies jointly hold approximately 40 percent common equity position in the company. The balance is held by a small group of prominent Calgary business associates. Nortech Surveys has a number of wholly owned subsidiary companies, as well as several partly owned affiliates. The creation of these subsidiary companies proved to be of considerable value in generating a respectable foreign sales volume during the recession in Canada. More recently, Norstar Instruments Ltd., was launched. Norstar Instruments Ltd. is devoted to the development and manufacture of A.G.P.S. navigation satellite receiver that can be used in aircraft, ships and vehicles on a world-wide basis. Nortech is a fully integrated surveying and navigation company providing services and technologies in Canada and abroad. It conducts offshore rig positioning, seismic navigation, pipeline surveys and ocean floor mapping. As well, the company performs complex land engineering surveys such as the C.P. Rail tunnel survey through the Rogers Pass in British Columbia, Canada. Other, more conventional surveys are carried out for the oil and gas and resources industries on daily basis.

OTHER CANADIAN OFFICES: Dartmouth, Nova Scotia.

OTHER FOREIGN OFFICES: London, England; Oman (Middle East).

SUBSIDIARY INFORMATION: Norstar Instruments Ltd. (Same address & phone number as head office) - development and manufacture of Norstar 100 Receiver.

AFFILIATES: Geospectrum Party Ltd. (Australia), 6, 1st Floor, 1059 Victoria Road, West Ryde, N.S.W. 2114, Australia; Spins, 3950 Cote Vertu, Suite 105, St. Laurent, Quebec H4R 1V4.

NORTHPOINT LAND SURVEYING & ENGINEERING LTD.

Bradley S. Sawchuk, A.L.S., President & General Manager
K.J. Maddox, P. Eng., Vice President

HEAD OFFICE:
9702 - 101 Street
P.O. Box 2848
Peace River, Alberta T0H 2X0
(403) 624-1800

DESCRIPTION: Northpoint Land Surveying & Engineering Limited was formed in 1983 with its offices in Peace River, Alberta. The firm supplies a wide range of surveying services in the fields of civil engineering, municipal engineering, land development, planning, construction and petroleum industries. Types of survey performed are cadastral, legal, petroleum, engineering, construction, precision alignment, control and geodetic, pipeline locationing and planning and development. As a follow-up to the physical surveys, support services such as topographic, planimetric and orthophoto mapping, volume and quantity measurement, air photo interpretation and boundary surveys are offered.

SPECIAL SERVICES: Pipeline location, river crossing surveys.

AFFILIATES: Northpoint Land Surveying and Engineering (High Prairie) Ltd., Box 417, High Prairie, Alberta, T0G 1E0, (403) 523-4411.

NORTHPOINT LAND SURVEYING & ENGINEERING (HIGH PRAIRIE) LTD.

Bradley S. Sawchuk, A.L.S., General Manager and Secretary-Treasurer
K.J. Maddox, P. Eng., President

HEAD OFFICE:
P.O. Box 417
High Prairie, Alberta T0G 1E0
(403) 523-4411

DESCRIPTION: Northpoint Land Surveying & Engineering (High Prairie) Ltd. was formed in 1985 with its office in High Prairie, Alberta. The firm supplies a wide range of surveying services in the fields of civil engineering, municipal engineering, land development, planning, construction and petroleum industries. Types of survey performed are cadastral, legal, petroleum, engineering, construction, precision alignment, control and geodetic, pipeline locationing, planning and development. As a followup to the physical surveys, support services such as topographic, planimetric and orthophoto mapping, volume and quantity measurement, air photo interpretation and boundary surveys, are offered.

SPECIAL SERVICES: Pipeline location, river crossing surveys.

AFFILIATES: Northpoint Land Surveying & Engineering Limited, 9702 - 101 Street, P.O. Box 2848, Peace River, Alberta T0H 2X0.

NORTHWEST HYDRAULIC CONSULTANTS LTD.

R.H. Cooper, President
C.R. Neill, Principal
E.K. Yaremko, Principal
A.L. Charbonneau, Principal
M.H. Ocun, Principal
H.D. Wiebe, Principal
B.A. Berry, Principal
V.J. Galay, Principal
M.F. Rodman, Principal
D.G. Mutter, Principal
A. Babb, Principal
A.G. Mercer, Principal

HEAD OFFICE:
4823 - 99 Street
Edmonton, Alberta T6E 4Y1
(403) 436-5868

DESCRIPTION: Northwest Hydraulic Consultants Ltd. (NHC) is a Canadian engineering firm specializing in water resources. Since the firm was incorporated in 1972, it has successfully completed more that 1500 consulting assignments on projects in western and northern Canada, the United States, and in the developing countries of Asia. The company operates offices in Edmonton, Vancouver, Seattle, Dhaka and Kathmandu. The Seattle office is headquarters for NHC's wholly owned U.S. subsidiary. The scope of NHC's services and experience covers a broad range of water resource applications and includes: 1. irrigation, reclamation, flood control, drainage and water supply; 2. hydraulic model investigations, reservoir sediment investigations and studies of upstream and downstream effects on river morphology related to hydro-electric projects, dams and diversions; 3. river engineering investigations related to the design of bridge and pipeline crossings; 4. water supply investigations, hydraulic design of intake and effluent outfall facilities, pump-house and cooling pond modelling, site drainage and erosion control for industrial, mining, petrochemical, and termal power projects.

SPECIAL SERVICES: Hydraulic modelling laboratories in Edmonton, Vancouver, and Seattle.

OTHER CANADIAN OFFICES: Vancouver, British Columbia.

OTHER FOREIGN OFFICES: Seattle, USA; Dhaka, Bangladesh; Kathmandu, Nepal.

SUBSIDIARY INFORMATION: Northwest Hydraulic Consultants Inc., 22477 - 72 Avenue South, Kent, Washington, USA 98032, (206) 872-0218.

NORWEST RESOURCE CONSULTANTS LTD.

H.G. Stephenson, President
G.R. Jordan, Vice President - Operations
D.F. Symonds, Vice President
J.P.L. Bacharach, Vice President, Mining

HEAD OFFICE:
400, 205 - 9 Avenue S.E.
Calgary, Alberta T2G 0R3
(403) 237-7763 TLX/TWX 03 822081

DESCRIPTION: The company, which is entirely Canadian owned, was formed in 1979 to provide consulting engineering services to the resource industry with particular emphasis on coal, oil sands, hydrocarbons and minerals. The Norwest group covers all activities at the mine site and offers an impartial, fully confidential and personalized service. The Norwest Group has more than 30 professional and technical staff with a total of 600 years experience in the resource industry. Principals and senior employees of the company have been exposed to a complete range of geological and mining conditions. In addition to assignments in Canada and the United States, they have experience in Africa, Australia, Greece, India, Indonesia, the Middle East, Mexico, New Zealand, Philippines, Russia, South America, Spain, Turkey, and the United Kingdom. All major activities at the mine site are covered by the Norwest group. Typical assignments include: - Management of exploration programmes; geological interpretation and reserve assessment. - Evaluations of the current market value and potential for resource properties. - Feasibility studies for underground operations involving various systems of hydraulic, longwall and/or room and pillar mining. - Feasibility studies and evaluations of surface mining properties using draglines and truck/shovel combinations. - The design of new preparation plants and the improvement of existing facilities. Norwest also has substantial experience in the design and operation of mining assisted oil recovery systems. Providing expert evidence at hearings.

SPECIAL SERVICES: Design of underground mine access systems for enhanced oil recovery.

OTHER FOREIGN OFFICES: Salt Lake City, Utah, U.S.A.; Jakarta, Indonesia, Auckland, New Zealand; Nottingham, England.

SUBSIDIARY INFORMATION: Norwest Resource Consultants Inc, Salt Lake City, Utah USA; Norwest Resource Consultants Ltd., Nottingham, U.K.; Mining Consultants of New Zealand, Auckland, New Zealand. Note: All subsidiary firms provide services equivalent to those provided by the Canadian firm.

NOVA ENGINEERING LTD.

D.E. Holte, P.Eng., President
W.L. Holte, Vice President/Secretary

HEAD OFFICE:
13808 - 73 Street
Edmonton, Alberta T5C 0V4
(403) 473-5871

DESCRIPTION: Founded in 1979 to provide mechanical engineering services mainly in the field of heating, ventilating and air conditioning. Special services are also provided in the field of building energy conservation programs. Brochure Available.

SPECIAL SERVICES: The firm also provides services in the field of building energy conservation programs.

NOVACORP INTERNATIONAL CONSULTING LTD.

S.R. Blair, Chairman
R.L. Pierce, Vice Chairman
D.G. Olafson, President
C.D. Richards, Senior Vice President
R.S. Harris, Vice President
G.B. Lipsett, Vice President
E.H. Shelton, Vice President

HEAD OFFICE:
P.O. Box 2535, Postal Station M
Calgary, Alberta T2P 2N6
(403) 290-6000 TLX/TWX
038-21503

DESCRIPTION: Novacorp is an international engineering consulting company offering a broad range of services geared to the long-term efficiency and profitability of energy related systems. The company was formed in 1973 as Algas Engineering Services and in 1983 became Novacorp International Consulting Ltd. It is a wholly owned subsidiary of Nova, An Alberta Corporation, a major Canadian energy company headquartered in Calgary. Novacorp provides state-of-the-art engineering consulting throughout the world for pipelines, pipeline software and alternative energy. Its pipelne consulting services include feasibility studies, financial advisory services, design engineering, project and construcion management, inspection, commissioning, operation and maintenance, and training. Novacorp has access to the resources and expertise of Nova, including over 3,000 professionals and technical specialists. The consulting services of an affiliated company, Pipeline Hydraulics Engineering Inc. (PHE), of Houston, Texas are available to clients through Novacorp. These services include computer-assisted hydraulic flow analyses and simulations for oil, gas and water pipelines, terminal and injection systems.

SPECIAL SERVICES: Pipeline consulting - feasibility studies, pipeline rate and tariff advisory services, design engineering, project and construction management, operations and maintenance, training and pipeline software for leak detection. Alternative energy - extraction of methane from coal seams. Bulk transport of CNG. Mechanical seal systems, magnetic bearings and automatic valve lubricators.

OTHER FOREIGN OFFICES: Singapore, Hong Kong.

AFFILIATES: Nova's Alberta Gas Transmission Division, Calgary, Alberta. - design, construciton and operation of the 13,800 km gas transmission system, Foothills Pipelines (Yukon) Ltd., Calgary, Alberta. - design, construction and operation of the Alaska Highway Gas Pipeline. TransQuebec & Maritimes Pipeline Inc., Montreal, Quebec. - design, construction and operation of the TQ&M Pipeline.

NOVACORP PRESSURE TRANSPORT LTD.

Garry D. Lavold, President
Donald Olafson, Chairman of the Board of Directors

HEAD OFFICE:
P.O. Box 2535, Station M
Suite 1209, 734 - 7 Avenue S.W.
Calgary, Alberta T2P 2N6
(403) 290-7740 TLX/TWX
038-21503

DESCRIPTION: First operations of transporting compressed natural gas in bulk started in the first quarter of 1985. Primary activity of the company is the transport of compressed natural gas at a high pressure from a gas source to a gas user. The transportation system involves gas separation, dehydration, metering, compression, transportation and regulation where the gas is unloaded. For each particular operation, engineering designs are done for all equipment utilized. Engineering consulting services are supplied for the design and operation of onshore and offshore applications of the high pressure gas system.

SPECIAL SERVICES: Our firm is specialized in the transport of bulk compressed natural gas for both onshore and offshore.

AFFILIATES: Texas Gas Transport Co. - 5511 Parkcrest Drive, Austin, Texas - provides a similar service in the United States.

NOVATEL COMMUNICATIONS LTD.

D.E. Lippert, President & CEO
N.J. McCarty, Senior Vice President
A.G. Slekys, Senior Vice President
M. Downey, Group Vice President

HEAD OFFICE:
700 Ninth Avenue S.W.
Calgary, Alberta T2P 3V4
(403) 298-0444 TLX/TWX
03-821264

ALBERTA OFFICES:
450 - 31st Street North
Lethbridge, Alberta T1K 2R3

12852 - 141 Street
Edmonton, Alberta T5J 4N8

DESCRIPTION: NovAtel Communication Ltd. is a Canadian owned and operated company. Its head office is located in the City of Calgary, in the Province of Alberta. NovAtel carries on the business of furnishing and supplying cellular mobile radio telephone systems and manufacturing and marketing cellular mobile terminal equipment. NOVA, AN ALBERTA CORPORATION and the ALBERTA GOVERNMENT TELEPHONE COMMISSION through their respective subsidiaries, own all of the issued and outstanding shares in the capital of NovAtel.

SPECIAL SERVICES: RF Propagation and other radio engineering services related to cellular and other land mobile radio telecommunications systems.

OTHER CANADIAN OFFICES: Concord, Ontario; St. Laurent, Quebec; Vancouver, B.C.

OTHER FOREIGN OFFICES: Wiltshire, U.K. (England); Norcross, GA, USA.

SUBSIDIARY INFORMATION: NovAtel Carcom Inc., 2820 Peterson Place, Norcross, GA, USA.

NOWSCO WELL SERVICE LTD.

S.P. Shouldice, President & Chief Executive Officer
D.A. Richardson, Senior Vice President
A.J. Day, Vice President
R.G. Wells, Vice President

HEAD OFFICE:
1300, 801 - Sixth Avenue S.W.
Calgary, Alberta T2P 4E1
(403) 261-2990 TLX/TWX
03-825617

ALBERTA OFFICES:
2711 Fifth Avenue N.E.
Calgary, Alberta T2A 4V4

702, 5241 Calgary Trail Southbound
Edmonton, Alberta T6H 5G8

Alberta Shop Locations:
Brooks, Drayton Valley, Grande Prairie,
High Level, Lac La Biche, Medicine Hat, Peace River,
Red Deer, Slave Lake, Whitecourt.

DESCRIPTION: Nowsco was formed in 1962, completing its first treatment on October 17, from the first station in Red Deer. The rapid acceptance of nitrogen by the industry resulted in expansion of the fleet to 4 nitrogen pumpers. Demands for stimulation service resulted in Nowsco building its first acidizing unit in 1965. The first cementer was built and operated in 1966. Nowsco conducted its first international operations in 1968 on the North Slope of Alaska. In 1970 Nowsco introduced endless tubing units to the industry and commenced fracturing operations. In April, 1972 Nowsco became a public company with shares trading on the Toronto Stock Exchange. The first international base was established in England in 1973. In 1975 the first base in Continental Europe was established and the first equipment sold to India. In November, 1979 the fabrication, research and development, and training centre was opened in Calgary. In 1986 a research centre was built to accommodate the growing laboratory research of chemicals and products. Today Nowsco employs over one thousand three hundred people to operate more than three hundred mobile units from twenty-one bases in Canada, five in the United States, eight in Europe and three in S.E. Asia.

SPECIAL SERVICES: Nitrogen pumping services, string leak testing, carbon dioxide pumping services, and coil tubing.

OTHER CANADIAN OFFICES: Dartmouth, Nova Scotia; Estevan, Saskatchewan; Fort St. John, B.C.; Fort Nelson, B.C.; Kindersley, Saskatchewan; Lloydminster, Saskatchewan; St. John's, Newfoundland; Swift Current, Saskatchewan; Waskada, Manitoba.

OTHER FOREIGN OFFICES: United States; England; Scotland; Holland; France; Italy; Norway; West Germany; Indonesia; Brunei; Oman Singapore; United Arab Empirates.

SUBSIDIARY INFORMATION: Nowsco Well Service (U.K.) Ltd.; Nowsco Well Service Norge A/S; Nowsco Well Service GmbH; Nowsco Well Service Srl; Nowsco Well Service (S.E. Asia) PTE. Ltd; Nowsco Well Service International Ltd.; Nowsco Well Service (Europe) B.V.; Nowsco (U.K.) Group Limited; Nowsco (Neth) Group B.V.; Nowsco of Canada Ltd.; Nowsco (IFC) B.V.; Nowsco International Limited; Nowsco Well Service Company Limited; N.W.S. Administrative Service Limited.

NRG ENGINEERING LTD.

R.K. Agrawal, President

HEAD OFFICE:
925, 550 - 6 Avenue S.W.
Calgary, Alberta T2P 0S2
(403) 262-3346

DESCRIPTION: NRG Engineering Ltd. was formed and incorporated in Alberta in 1978. The major areas of service include reservoir engineering, reservoir simulation, property evaluation, project financing consulting, feasibility studies, enhanced recovery design, property management, unitization, well test analysis, government and court representation, pipeline network design and optimization.

OBELISK MANAGEMENT LTD.

G. Gardiner Beacom, President

HEAD OFFICE:
1430, 510 - 5 Street S.W.
Calgary, Alberta T2P 3S2
(403) 262-8185

DESCRIPTION: Obelisk Management Ltd. was formed in 1982 and is a partner in GT Management ('GT') which was established in 1982 to provide general financial consulting on matters relating to the petroleum and natural gas industry. The principals have extensive backgrounds in energy financing, management, reservoir engineering and oil and gas property evaluations. GT assists individuals or corporations who wish to invest or have invested in the oil and gas industry. GT also consults to companies regarding their corporate objectives and assists in achieving these objectives.

O'CONNOR ASSOCIATES ENVIRONMENTAL INC.
O'CONNOR ASSOCIATES GEOTECHNICAL INC.

M.J. O'Connor, President
R.D. King, Secretary (Partner)
J.G. Agar, Treasurer (Partner)

HEAD OFFICE:
101, 4712 - 13th Street N.E.
Calgary, Alberta T2E 6P1
(403) 250-9790

ALBERTA OFFICES:
2, 10734 - 107 Street
Edmonton, Alberta T5H 2Z1

DESCRIPTION: O'Connor Associates Geotechnical Inc. and O'Connor Associates Environmental Inc. are Canadian consulting firms offering professional services in a wide variety of engineering disciplines. Specializing in the earth sciences, O'Connor Associates Geotechnical Inc. professional and technical staff combine their diversified backgrounds and experience to provide engineering geology, geomechanics, oil sands geotechnics and materials testing. O'Connor Associates Environmental Inc. provides specialist consulting services in petroleum product spill clean-up, environmental impact assessment, soil and groundwater analysis, contaminant monitoring and facility design. In business since 1979, the companies maintain offices in Calgary, Edmonton and Mississauga (Toronto) Ontario.

OTHER CANADIAN OFFICES: Mississauga, Ontario

SUBSIDIARY INFORMATION: OAK Environmental Equipment Supply Ltd., Calgary, Alberta, design, fabrication and supply of equipment and materials for environmental and geotechnical related projects.

JOHN G. OGILVY CONSULTING ENGINEER LTD.

John G. Ogilvy, President
M.A. Ogilvy, Director, Secretary

HEAD OFFICE:
Box 352
Jasper, Alberta T0E 1E0
(403) 852-3759

DESCRIPTION: Company formed 1971, incorporated 1978. Specialized in ski area design, layout of lifts, runs, buildings and services, structural design and installation of equipment, and all facets of design incurred with ski area development using specialist associates. Structural design apartment buildings, commercial buildings, and building modifications.

SPECIAL SERVICES: Ski area development, and services, in particular ski lift installations (T-bars, chairlifts, etc.).

OHMIC ENGINEERING LTD.

Sid J. Smoliga, P.Eng., President
Bill McLean, P.Eng., Vice President

HEAD OFFICE:
#450, 7220 Fisher Street S.E.
Calgary, Alberta T2H 2H8
(403) 259-6326 TLX/TWX
03-821209

DESCRIPTION: Ohmic Engineering was formed in 1977 in Calgary to offer consulting engineering services in the electrical and instrumentation areas to industry mostly in the Oil and Gas Processing areas. A broad range of services are performed from power and control system design to programming (PC's) and supply and installation of Ultra Violet Water Treatment systems. Ohmic expanded into the Engineering-Procurement and Construction areas in 1980. Services presently offered are electrical and instrumentation, engineering design, construction, inspections and programmable control system product applications.

SPECIAL SERVICES: Programmable controller systems applications and panel design. Ultra violet water treatment systems.

AFFILIATES: Ohmic Automatic Systems Inc. - computer and programmable controller systems applications. (Same address as Ohmic Engineering Ltd.) Fotron Control Systems Inc. - manufacturing and assembly of electric, electronic, pneumatic, instrumentation and computer control panels.

K R OLSEN ENGINEERING LIMITED

Keith R. Olsen, President

HEAD OFFICE:
201, 1219 - 11 Avenue S.W.
Calgary, Alberta T3C 0M5
(403) 245-2200

DESCRIPTION: K R Olsen Engineering Limited is a consulting engineering firm established in 1982 in Calgary. The firm provides mechanical engineering services to the diverse segments of the construction industry. A full range of design and related services for building projects are offered. Heating, Ventilating, Air-Conditioning, Plumbing and Drainage, Fire and Smoke Protection, Instrumentation and Controls, Building Automation, Energy Management and Conservation, Energy Analysis, Surveys and Investigations, and Solar Energy.

L.R. OLSON & ASSOCIATES LTD.

Leonard R. Olson, A.L.S., President
Wendy M. Olson, Vice President
Ken E. Armstrong, P. Eng., Chief Engineer

HEAD OFFICE:
P.O. Box 648
Rimbey, Alberta T0C 2J0
(403) 843-3721

DESCRIPTION: The firm was formed in August, 1985 and predominately offers services with respect to land surveying, land development and municipal engineering in Central Alberta. Due to the economic downturn we have not expandes as quickly as we originally anticipated but we are continually promoting projects with respect to municipal works and oilfield projects.

STUART OLSON CONSTRUCTION LTD.

Allan S. Olson, President/Owner

HEAD OFFICE:
12836 - 146 Street
Edmonton, Alberta T5L 2H7
(403) 452-4260 TLX/TWX
037-3459

ALBERTA OFFICES:
Main Floor, 1822 - 10th Avenue S.W.
Calgary, Alberta T3C 0J8

DESCRIPTION: Stuart Olson Construction Ltd. was founded in 1939, and with its subsidiary Companies, Stuart Olson Industrial Contractors and Triton Management. A diversified company which offers expertise in Construction Management, Design Building, General Contracting, and Cost Control, on Industrial, Commercial, Multi-unit Residential Projects (i.e. Highrises), Institutional, Engineering Structures (i.e. Bridges, concrete works, etc.) and Food Processing Plants.

OTHER CANADIAN OFFICES: 2623 B Faithfull Avenue, Saskatoon, Saskatchewan, S7K 5W2.

SUBSIDIARY INFORMATION: Stuart Olson Industrial Contractors Ltd. (Non Union company, same information applies as Stuart Olson Construction.) Triton Management Corporation Ltd.

AFFILIATES: Maran Equipment - Bobcat Equipment, etc.

OLYMPIA ENGINEERING (1982) INC.

S.R. Switzer, President
R. Bhagoti, Vice President

HEAD OFFICE:
203 - 38 Avenue N.E.
Calgary, Alberta T2E 2M3
(403) 276-7736

DESCRIPTION: Olympia Engineering Ltd. formed in 1977 was reorganized and re-registered in July 1982 as Olympia Engineering (1982) Inc. Broad range of consulting services in civil and structural engineering, land development and municipal engineering. Complete range of engineering services include feasibility and functional planning, engineering surveys, preliminary engineering studies, detailed design, cost estimates and field services.

OMEGA ENGINEERING LTD.

Philip Mehrdad, President

HEAD OFFICE:
3, 370 - 19th Street N.E.
Calgary, Alberta T2E 6V2
(403) 250-3709

OMEGA ENGINEERING (CANADA) LTD.

Philip H. Mehrdad, President
Lorne R. Konelsky, Vice President - Marketing
Gloria J. Konelsky, Secretary

HEAD OFFICE:
3, 3700 - 19th Street N.E.
Calgary, Alberta T2E 6V2
(403) 250-3709 TLX/TWX OMEGA/NIPP

DESCRIPTION: The firm was formed in 1980 in Calgary under the name of Canfab Systems Ltd. In early 1986, the company expanded into a new area and changed its name to Omega Engineering (Canada) Ltd. to provide project electrical engineering, construction and maintenance services to the resource industries on a 'one-responsibility' or individual basis.

SPECIAL SERVICES: Reliable supplier of 'up-to-date' electrical and electronic engineering; 'state-of-the-art' electrical, instrumentation and control systems material supply; on-site installation; and maintenance services.

OPS ENGINEERING LTD.

N.M. Rezk, P. Eng, President
H. Rezk, Secretary-Treasurer

HEAD OFFICE:
204 Silvercrest Drive N.W.
Calgary, Alberta T3B 3A4
(403) 286-2510

OPSTAD ENGINEERING LTD.

Albert Opstad, P. Eng., President and Chief Executive Officer

HEAD OFFICE:
10821 - 140 Street
Edmonton, Alberta T5M 1S4
(403) 453-2011

DESCRIPTION: Opstad Engineering Ltd. was formed in 1975 in Edmonton, Alberta, Canada and was officially registered at the Alberta Government companies branch in 1979. The principal, Albert Opstad, P. Eng., is an Albertan Canadian citizen by birth (October 13, 1931) and graduated from the University of Alberta in Edmonton in electrical engineering in 1956. His experience includes 10 years in switchboard instrument production engineering in Quebec City and the last 20 years in heavy electrical power distribution for petroleum and petrochemical plants here in Alberta. Special expertise and services offered include: 1. initial conceptual power distribution design, 2. short circuit calculations, 3. establishment of electrical coordination curves. Specific areas of interest are: 1. work for Canada's various levels of government, 2. progressive Canadian companies; 3. hospitals and institutions of personal care.

OPTUM GROUP CONSULTANTS LIMITED

W. R. Cheriton, President

HEAD OFFICE:
7642 - 119 Street
Edmonton, Alberta T6G 1W3
(403) 436-5276

DESCRIPTION: Optum Group Consultants was incorporated in 1981 to market the professional services of W. Ross Cheriton whose professional practice is now limited to specialized engineering consulting services, eliminating project design work. Expertise is based on professional training in the fields of Engineering Physics, Electrical and Mechanical Engineering plus many years of experience in consulting practice, engineering contracting, power utilities, and apparatus testing/manufacture. Technical services to legal, insurance and contractor clients has been provided on a continuous basis by Ross Cheriton since 1970. Expert assistance is frequently given in a number of branches of electrical engineering. In broader problems of economics, construction, and engineering, a general diagnosis is made together with recommendations as to suitable experts. Assisting experts are selected from an extensive card file system, picking the best person for the particular client need.

OPUS PETROLEUM ENGINEERING LTD.

R.H. Johnson, President

HEAD OFFICE:
508, 505 - 3rd Street S.W.
Calgary, Alberta T2P 3E6
(403) 266-6126

DESCRIPTION: The company was formed in 1978 in Calgary under the name 'Dadworth Petroleum Consulting Ltd.' The name was subsequently changed to 'Opus Engineering Ltd.' The business was taken over by 'Opus Petroleum Engineering Ltd.' as a new company under the 'new act.' The company specializes in reservoir engineering, economic evaluations and geological engineering. It also provides services in nearly all phases of oil and gas development and facilities.

PACER DEVELOPMENT SERVICES

James C. Taylor, P. Eng., Partner
William P. Truch, P. Eng., Partner

HEAD OFFICE:
Suite 455, 301 - 14th Street N.W.
Calgary, Alberta T2N 2A1
(403) 270-7718

DESCRIPTION: Pacer Development Services (a corporate partnership) was formed in 1979. 'Pacer' is a development management firm, which provides single responsibility services to investors, landowners, and developers. Through these management services, strong experienced leadership is supplied to a wide range of development projects in Canada and the United States. 'Pacer' is a project management firm which provides single responsibility services to the commercial, industrial, institutional and governmental sector. Extensive training, knowledge, and experience obtained in the design profession as well as the construction industry, is combined with proven management techniques to effectively control all aspects of a project from conception to commissioning. 'Pacer' is a property management firm which provides services to building owners. An in-depth knowledge and understanding of building systems and components, coupled with a thorough grasp of leasing arrangements and cost accounting, provides comprehensive control of all matters surrounding day-to-day building operations. 'Pacer' is a general contractor which provides contracting services to the marketplace. This service is offered in a separate and distinct mode from the construction management expertise offered as part of a project management assignment.

SUBSIDIARY INFORMATION: Pacer Development Services Ltd., is 'Pacer Development Services' (a corporate partnership) Limited Company. Its office address is the same as ours. Pacer Development Services Ltd. specializes in general contracting services for buildings (commercial, industrial, institutional, residential).

PADULA ENGINEERING LTD.

Domenic Padula, Engineering Consultant

HEAD OFFICE:
P.O. Box 657
Cochrane, Alberta T0L 0W0
(403) 932-3351

DESCRIPTION: The consulting practice was formed in 1981 specializing in oil and gas production facilities. Services provided include engineering design, feasibility studies, cost estimates, equipment specification and procurement, contract bid documents, contract administration, and project management. Comprehensive experience is available for oil battery, waterflood, gas plant, compressor station, wellhead facility, and pipeline projects. Expertise in regulatory submissions, public hearings, operator training, plant startup, troubleshooting, production accounting, and gas and NGL contract negotiations is also provided.

KEITH K. PAGET ENGINEERING LTD.

Keith K. Paget, President
Helen E. Paget, Treasurer

HEAD OFFICE:
707 Willamette Drive S.E.
Calgary, Alberta T2J 2A3
(403) 278-4422

DESCRIPTION: Formed in August 1981. The firm offers Project Management and Development Consulting Service to the building development and construction industry. These include: feasibility studies, market research, scheduling, cost control, tenant coordination, contract administration, construction management, custom seminars and corporate planning.

PALLISER CONSULTANTS LIMITED

Dr. W.R. Cowan, P. Geol., Vice President
P.J. Cowan, BA, R.N., President

HEAD OFFICE:
9859 Palistone Road S.W.
Calgary, Alberta T2V 3W1
(403) 251-2829

DESCRIPTION: Palliser Consultants Limited was originally incorporated in Calgary in 1983 as Palliser Environmental & Terrain Services Inc. The company provides a broad range of contract services in the geological and environmental sciences. Areas of geological emphasis include terrain analysis and surficial geology, quaternary stratigraphy, oil sands geology, drill supervision, core logging, sand and gravel exploration and evaluation, drift prospecting, and other engineering geology endeavours. Environmental capabilities include baseline inventories, environmental impact assessment, site and route evaluations, reclamation, and environmental monitoring and inspection. Project management activities include regulatory applications preparation, permit acquisition, and the provision of expert testimony.

SPECIAL SERVICES: Engineering geology.

PALLISTER RESOURCE MANAGEMENT LTD.

Dr. A. Ernie Pallister, President
Mr. Jeff M. Pallister, Vice President

HEAD OFFICE:
Suite 105, 4116 - 64th Avenue S.E.
Calgary, Alberta T2C 2B3
(403) 236-2344/45/49 TLX/TWX 03-821172

DESCRIPTION: Pallister Resource Management Ltd. was formed in 1973 in Calgary by A.E. Pallister, P. Geoph. The principal had previously been engaged in geophysical consulting in petroleum exploration. This new firm conducts a broader range of services relating to the planning and management of resource development projects, principally in meeting the requirements for technical, environmental and social components. The company also provides an information distribution service through its 'InfoPall,' and an office was opened in California in 1984.

OTHER FOREIGN OFFICES: Malibu, California, USA

D. PANAR & ASSOCIATES ENGINEERING LTD.

D. Panar, President

HEAD OFFICE:
10512 - 169 Street
Edmonton, Alberta T5P 3X6

DESCRIPTION: D. Panar and Associates was formed in 1966 to provide mechanical engineering services to commerce and industry. Focus areas relate to the research and design of systems which minimize energy consumption such as solar energy, co-generation, waste heat recovery and district heating systems.

SPECIAL SERVICES: Insurance investigation, physical evaluations, energy management, and energy efficient application design.

PARTEC LAVALIN INC.

F. Gagnon, President
T.G. Martin, Vice President
Administration
J.E. Leeper, Vice President
Operations

HEAD OFFICE:
909 - 5th Avenue S.W.
Calgary, Alberta T2P 3G5
(403) 294-2105 TLX/TWX
03-827910

DESCRIPTION: Partec Lavalin was formed in 1976 from the acquisition by Lavalin of the assets and operations of The Ralph M. Parsons Company Ltd. of Calgary. This firm has more than 15 years experience in the petrochemical and EPC field in Canada. A long-term technical agreement provides reciprocal exchange between Partec and Parsons for process know-how, technology, systems and personnel. Brochure Available. EPC (Engineering, Procurement and Construction) and Project Management for the oil, gas, petrochemical, heavy oil and oil sands plants.

OTHER CANADIAN OFFICES: Toronto, Ontario; Montreal, Quebec.

AFFILIATES: Fenco Consultants Ltd. - economic and physical planning, industrial and public works engineering, technical studies and project management. Petrotech Lavalin Inc. - pipeline engineering and related activities. Shawinigan Engineering - hydro-electric and irrigation projects; studies and development of new power sources. Ebastec Lavalin - thermal power generation. Maclaren Plansearch - economic, environmental and social studies, computer science, urban and regional planning; oceanic related operation. Global Trading - petroleum drilling and production equipment; pipeline systems and facilities. National Boring and Sounding Inc. - geotechnic, geology, rock mechanics, control of concrete and asphalt, water flow surveys and water analysis. Geocon (1975) Ltd. - soil studies, foundations, geology, and control of materials, offshore drilling. King, Murphy, Lavalin Inc. - EPC for sawmills, general wood-handling systems and related products. McGurk, Matthews, Greggain - pulp and paper. Lavalin Services Inc. - multidisciplinary projects. Lavalin International Inc. - international marketing organization for the Lavalin group. Segetherm Group Inc. - conversion of oil-fired industrial boilers to natural gas. Lanmer Consultants (1978) Ltd. - tunnels, heavy engineering, marine structures, bridges, small hydro-electric power projects. Lamb, Buay, Baber, Inc. - management consultant and marketing studies. Lalonde, Valois, Lamarre, Valois & Associates - public works engineering, buildings, transportation, energy generation and transmission, technico-economic studies and project management. Lea, Benoit and Associates Ltd. - sanitary engineering and municipal works. Jacques Dery and Associates Inc. - maritime enineering harbour studies. Laberga and Associates Ltd. - sanitary engineering and municipal works. Photographic Surveys Inc. - aerial photography, photo-interpretation, photogrammetry, airborne geophysics. Hydrogeo Canada Inc. -hydrogeological studies, research and captation of underground water. Cosigma Inc. - computer programming, transportation and systems analysis, data processing operations research. Andre Marsan and Associates Inc. - ecology, environmental impact and land use studies. Daniel Arbour and Associates Inc. - urban and regional planning. Econosult Inc. - socio-economic studies. Belt (Affiliated Company) - high voltage transmission systems. Canatrans (Affiliated Company) - guided way transportation systems. Nucleotec (Affiliated Company) - nuclear energy generation. Piette, Audy, Bertrand, Lemieux and Associates Inc. - civil and sanitary engineering and municipal works. Prodevco Lavalin Inc. - real estate development. Saltec Lavalin Inc. - Processing plants for the production of salt, caustic soda and soda-ash. Socodec Inc. - construction.

PASAR MICRO CONTROLS

P. Smerek, Vice President
M. Smith, Vice President

HEAD OFFICE:
P.O. Box 7190 Station E.
Calgary, Alberta T3C 3M1
(403) 236-1355

DESCRIPTION: Pasar Micro Controls is an electronics development firm located in Calgary. It was established by two professional engineers to help meet the electronic needs of Alberta industries. The principals have considerable experience with electronics in numerous industrial applications. Services and products offered by Pasar Micro controls include: custom microprocessor based design for industrial control applications, supervisory control and data acquisition system design, specification and project management, automation feasibility studies, technical project and personnel evaluations. Pasar Micro Controls is associated with Q-Tron Industrial Electronics, an established Alberta company, which can provide manufacturing facilities and support capabilities.

A.M. PATTERSON GEOLOGIST LTD.

A.M. Patterson, President
M.H. Patterson, Secretary

HEAD OFFICE:
7303 Kelsey Place S.W.
Calgary, Alberta T2V 2N1
(403) 255-0410

DESCRIPTION: Geological and management services for exploration companies.

DALE PAYNE & ASSOCIATES LTD.

H.D. Payne, President
G.L. Payne, Secretary

HEAD OFFICE:
308 - 41 Avenue N.E.
Calgary, Alberta T2E 2N3
(403) 277-9635 TLX/TWX
03-826752

DESCRIPTION: The firm was registered as an operating company January, 1973 with offices in Calgary. Broad range of services in consulting, research and construction in the High Arctic. Services include geophysical consulting, exploration and surveying in Alberta as well as the Arctic Island. Specialized services include the construction of airstrips, roads and big rig pads in the Arctic Island. Tracked vehicle sales and service to the utility market and ski industry.

PCL ASSOCIATES LTD.

Paul C. Ledi, President
William A. Papish, Director

HEAD OFFICE:
10358 - 172 Street
Edmonton, Alberta T5S 1G9
(403) 483-5082

DESCRIPTION: The firm was formed in 1977 in Edmonton and incorporated in the same year. Broad range of services in structural engineering for all types of building structures related to civil engineering work. Services include building structures and foundations, industrial buildings and plant design, bridges, overpasses and structural evaluations.

PCL-BRAUN-SIMONS LTD.

Ronald E. Greenlay, President
Donald C. Severs, Vice President
Norm T. Boleychuk, Secretary-Treasurer

HEAD OFFICE:
1202 Centre Street South
Calgary, Alberta T2G 5A5
(403) 260-1300 TLX/TWX
03-821800

DESCRIPTION: PBS was formed in 1979 by three equal shareholders; PCL Construction Group, C F Braun & Co of Canada Ltd and H.A. Simons & Associates Ltd. Its head office was, and still is, Calgary. In 1981 a Vancouver office was opened. PBS provides a full range of engineering services covering process and detail design, procurement and construction, for the petroleum and petrochemcial industries.

SPECIAL SERVICES: PBS has total access to the technical expertise and experience of Santa Fe Braun Inc., to supplement our own capabilities in providing specialist technical services to the petroleum/petrochemical industries.

OTHER CANADIAN OFFICES: Vancouver, British Columbia.

AFFILIATES: Our three shareholder companies are: PCL Construction Group Inc., headquartered in Edmonton. They perform industrial and commercial construction across North America. C F Braun & Co of Canada, a subsidiary of Santa Fe Braun Inc., California. They provide EPC services world wide to the petroleum/petrochemical industries. H.A. Simons & Associates Ltd. of Vancouver, provide engineering services to the power, food processing and pulp and paper industries, world wide.

PCL CONSTRUCTION GROUP INC.

R. Stollery, P. Eng., Chairman, CEO & President
R.E. Taylor, P. Eng., Senior Vice President
R.R. Behm, Vice President
R.G. Brockbank, P. Eng., Vice President
P.M. McGovern, Vice President

HEAD OFFICE:
5410 - 99 Street
P.O. Box 8
Edmonton, Alberta T5J 2H2
(403) 435-9711 TLX/TWX
037-2122

ALBERTA OFFICES:
2882 - 11 Street N.E.
Calgary, Alberta T2E 7S7

5400 - 99 Street
Edmonton, Alberta T6E 3P4

5406 - 99 Street
Edmonton, Alberta T6E 3P4

DESCRIPTION: PCL Construction Group Inc. is Canadian owned, is in its 80th year, was originally called Poole Construction Limited, then PCL Construction Ltd. prior to the formation of PCL Group in late 1984. PCL Construction Group Inc. owns and directs the activities of several construction companies across Canada and in the United States. The operating companies are involved in commercial, institutional, industrial, and heavy and highway construction as well as construction management.

OTHER CANADIAN OFFICES: Richmond, B.C.; Regina, Saskatoon, Saskatchewan; Winnipeg, Manitoba; Yellowknife, N.W.T.; Toronto, Ontario; Montreal, Quebec.

OTHER FOREIGN OFFICES: Denver, Colorado; Chicago, Illinois; Minneapolis, Minnesota; Los Angeles, California; Phoenix, Arizona.

SUBSIDIARY INFORMATION: PCL Constructors Western Inc., Edmonton, engaged in commercial, institutional, and residential construction in Western Canada; PCL Constructors Northern Inc., Yellowknife, engaged in commercial, institutional and residential construction in the Northwest Territories; PCL Constructors Eastern Inc., Toronto, engaged in commercial and institutional construction in Eastern Canada; PCL Industrial Constructors Inc., Edmonton, engaged in oil, gas and petrochemical, power generation and mining construction, as well as heavy lifts and prefabrication across Canada; PCL Civil Constructors Inc., Edmonton, engaged in highway and heavy construction in Western Canada; PCL Construction Management Inc., Edmonton, engaged in the provision of construction management services to clients in Western Canada.

AFFILIATES: PCL-Braun-Simons Ltd. - PCL was an original sponsor, and is one- third owner of PBS, a Calgary based, Canadian controlled engineer - procure- construct contractor, engaged in petroleum, chemical and related process industries.

PCM CONSTRUCTION CONTROL CONSULTANTS LIMITED

Alan Hand, President
Norman Ross, Secretary-Treasurer

HEAD OFFICE:
Suite 1030, 800 - 5 Avenue S.W.
Calgary, Alberta T2P 3T6
(403) 266-2002 TLX/TWX
03-821587

ALBERTA OFFICES:
10650 - 113 Street
Edmonton, Alberta T5H 3H6

DESCRIPTION: The firm was incorporated in Calgary in 1981. An Edmonton office was established in January 1986. The company specializes in quantity surveying, cost and time control, and project management. It has also undertaken tourism studies and a study into low income housing in Peru. It is in the forefront of developing computer applications of its special services.

SUBSIDIARY INFORMATION: Rio Construction Limited - general contracting, 1030, 800 - 5 Avenue S.W., Calgary, Alberta T2P 3T6

AFFILIATES: PCM Construction Consultants (Edmonton) Limited, 10650 - 113 Street, Edmonton, Alberta T5H 3H6.

M.V. PEDERSEN ENGINEERING LTD.

Morten V. Pedersen, P.Eng., Owner

HEAD OFFICE:
#201, 1219 - 11 Avenue S.W.
Calgary, Alberta T3C 0M5
(403) 245-2225

DESCRIPTION: The firm was formed in 1984. The firm's principal has 25 years of experience in services relating to the H.V.A.C. and plumbing systems for commercial, institutional and industrial buildings. Prior to the establishment of M.V. Pedersen Engineering Ltd., the firm's principal held engineering positions with major engineering firms in Calgary and during a 17 year period prior to 1982, was senior partner in a local architectural and engineering firm employing 60 - 80 people with offices in Calgary, Edmonton and Lethbridge. Substantial experience in design, drafting and specification writing for high-rise office and apartment buildings, hotels, schools, hospitals, large and small shopping centres, warehousing, air craft hangers, etc., in Western Canada from Winnipeg to Vancouver. During the past two years, the firm has also specialized in the following areas of energy management: Energy audits, energy analysis, retrofitting of existing H.V.A.C. systems, energy monitoring on a month to month basis, operating manuals, preventive maintenance manuals and general trouble shooting.

PENNELL GEOTECHNICAL ENGINEERING LTD.

D.G. Pennell, President
Marion L. Pennell, Secretary-Treasurer

HEAD OFFICE:
6039 - 6th Street S.E.
Calgary, Alberta T2H 1L8
(403) 259-4585

DESCRIPTION: The firm was incorporated in 1977 with office and laboratory facilities in Calgary. The company offers geotechnical engineering services including foundation investigations and reports, dam and reservoir design, slope stability studies, laboratory testing, construction inspection for piles, footings, excavations, etc. and compaction quality control.

W. PETERSON ENGINEERING LTD.

C.W. Peterson, P.Eng., President

HEAD OFFICE:
200, 7603 - 104 Street
Edmonton, Alberta T6E 4C3
(403) 432-7698

DESCRIPTION: Firm was founded in 1980. Handles all phases of bridge and culvert design, supervision of construction.

PETHELEN RESOURCES (1973) LIMITED

P.E. Reimer, President

HEAD OFFICE:
202, 280 Midpark Way S.E.
Calgary, Alberta T2X 2B5
(403) 256-6868

DESCRIPTION: The firm was formed in 1973 to provide engineering assistance in drilling, production, and handling of oil phases of oil and gas; including the training of staff for the ongoing operation.

SPECIAL SERVICES: Project management and training of specific oil and gas projects.

PETREL CONSULTANTS LTD.

A. Neil Hutton, Chairman & C.E.O.
J.D.T. Crane, Vice President
M.E. Doyle, Vice President
H. Pelton, Chief Financial Officer
R. Lipkewich, Vice President & G.M. (Processors)
G. Livesey, Vice President & G.M. (V.S.)

HEAD OFFICE:
565, 800 - 6th Avenue S.W.
Calgary, Alberta T2P 3G3
(403) 233-0472

DESCRIPTION: Petrel Consultants Ltd. is one of the largest integrated oil and gas consulting firms in the world. Petrel was formed in Calgary in 1978 and expanded to Denver, Colorado in 1982. The company provides a wide range of exploration related services, including geological and geophysical consulting, regional geological studies, participation seismic programmes, seismic data processing, play and prospect generation and evaluation, seismic research and exploration training courses. Petrel has extensive exploration experience in both North America and the international oil community.

OTHER FOREIGN OFFICES: Denver, Colorado, U.S.A.

SUBSIDIARY INFORMATION: Petrel Seismic Processors Ltd., Calgary, seismic data processing as major activity.

PETRESIM ENGINEERING LTD.

Clifford E. Thomas, Chairman
Abdalla A. Abdalla, President
Philip W. Pantella, Executive Vice President
James E. Brasner, Secretary

HEAD OFFICE:
200, 926 - 5th Avenue S.W.
Calgary, Alberta T2P 0N7
(403) 234-7383 TLX/TWX
03-824537

DESCRIPTION: The firm was incorporated as an Alberta company and established in Calgary in October, 1980. In January, 1985 Core Laboratories-Canada, Ltd. acquired ownership of the firm in order to provide, through an integration of the products and expertise offered by its engineering and consulting department and PETRESIM, a more complete consulting service for the evaluation and exploitation of petroleum reserves. The company offers professional engineering services for the analysis and interpretation of petroleum reservoir performance data. Specific areas of expertise, ranging from the application of basic petroleum engineering principles to complex multi-dimensional multiphase computer simulation reservoirs, evaluation of oil and gas reserves, feasibility studies of exploitation alternatives, gas field deliverability analysis, underground gas storage design and monitoring, primary and secondary oil recovery performance studies, enhanced oil recovery evaluations, thermal recovery pilot design and analysis and field applications and reservoir simulations software development, application and licensing. complete petroleum resource exploitation capabilities are made available through the affiliation of PETRESIM with Core Laboratories- Canada, Ltd., Core laboratories, Inc. and Western Geophysical Company of America.

SPECIAL SERVICES: The professional staff of PETRESIM have experience in most of the major petroleum production areas of the world, including, in addition to North America, the North Sea, North and West Africa, Central America and the Middle East. PETRESIM has a comprehensive suite of computer programs to perform petrophysical calculations, contour mapping and planimetering for reserves determination. In addition, PETRESIM has a full suite of reservoir simulation software for application in evaluation of waterflood potential, hydrocarbon and CO_2 miscible flood studies, polymer injection and compositional reservoir simulation.

AFFILIATES: Core Laboratories-Canada, Ltd., 1540 - 25th Avenue N.E., Calgary, Alberta T2P 7R2; Western Geophysical Company of America, 10001 Richmond Avenue, Houston, Texas 77001; Core Laboratories, Inc., 7600 Carpenter Freeway, Dallas, Texas 75247; J.S. Nolen & Associates, Inc., Suite 560, 16225 Park 10 Place, Houston, Texas 77084.

PETROFIN ENTERPIRSES LTD.

Sandor J. Baksa, President
Duane D. Monroe, Vice President

HEAD OFFICE:
B28, 6020 - 2nd Street S.E.
Calgary, Alberta T2H 2L8
(403) 258-0441

DESCRIPTION: Petrofin Enterprises Ltd. was formed in 1979 to become the holding company for the minority Canadian shareholders of an engineering company in association with Technip of France. In 1983 Petrofin became active to supply financial packages, and some engineering services to supplement its association with Technip. Most of the activity in the early years were directed to the south-central area of the United States. Early in 1985 Technip terminated its Canadian association and Petrofin has intensified its active roll as an operating company. The company has provided engineering design and services to the oil and gas processing industries in the U.S. The company has diversified in other areas due to the economy. Petrofin has been working with a Trinidad based firm to establish a cattle feed facility using Canadian technology to convert waste materials. We are continuing with other commercial ventures with a local company in Trinidad. Petrofin is currently providing engineering and project management services for a large precast concrete plant being constructed in Alberta using Hungarian technology for use of concrete inthe construction of residential and commercial buildings. The current association with this project has created an association that has great potential in Hungary for Petrofin Enterprises Ltd.

PETROLEX CONSULTANTS LTD.

John Hodgkinson, President

HEAD OFFICE:
60 Columbia Place N.W.
Calgary, Alberta T2L 0R5
(403) 237-7767

DESCRIPTION: The company was formed and incorporated in Alberta in March, 1983. Services include supervision of seismic data acquisition and processing, with particular emphasis on interpretation, evaluation and integration with geology, and seismic modelling.

PETROTECH ENGINEERING LTD.

John Yu, President

HEAD OFFICE:
12415 - 135 A Avenue
Edmonton, Alberta T5L 3Z4
(403) 454-3667

DESCRIPTION: Petrotech Engineering Ltd. was incorporated in 1981 in British Columbia. An Edmonton office was opened in May 1986 and was incorporated in Alberta at the same time. The engineering consulting services are drilling, completion, production and work over of oil and gas wells, gas process engineering in dehydration facilities, sour gas treating and hydrocarbon dewpoint control plants, pipeline engineering, and engineering and economic evaluation of oil and gas properties for filing of statement of material facts and prospectus for Canadian and U.S. securities regulatory agencies and stock exchanges and banking purposes.

SPECIAL SERVICES: Registered professional engineer in the State of Texas and Provinces of Alberta and British Columbia.

PETROTECH LAVALIN INC.

Wayne D. Neuss, President
Laurie V. Bruneder, Vice President

HEAD OFFICE:
909 - 5th Avenue S.W.
Calgary, Alberta T2P 3G5
(403) 294-2790 TLX/TWX
03-827910

DESCRIPTION: The company was formed in Calgary, in 1957 as a subsidiary of Pipe Line Technologists Inc. In 1974, it was acquired by the Lavalin Group, an employee-owned Canadian Engineering organization with 6500 employees coast to coast. Petrotech specializes in pipeline and related projects and provides complete engineering, procurement and project management services in Canada and abroad for projects of any size.

SPECIAL SERVICES: Services offered include feasibility studies, preliminary and detail design, project management and construction supervision of pipelines and related facilities, including marine terminals and submarine pipelines.

OTHER CANADIAN OFFICES: Division of Head Office - Lavalin Inc. - Montreal, Quebec.

AFFILIATES: Bureau D'Etudes de Lignes de Transport (B.E.L.T.) Inc. - Planning, engineering and project management for HV power transmission and transformation and Power distribution. Canatrans Inc. - Planning engineering and project management for Guilded ground transportation systems. Nucleotec Inc. - Planning, engineering and project management for Nuclear power engineering.

PHH PETROLEUM CONSULTANTS LTD.

Peter H. Holst, President

HEAD OFFICE:
Suite 1820, 101 - 6th Avenue S.W.
Calgary, Alberta T2P 3P4
(403) 232-6822 TLX/TWX
03-822591

DESCRIPTION: The firm was incorporated in 1983 in Calgary. Services in petroleum engineering include economic evaluation and reservoir analysis. Specializes in reservoir simulation through comprehensive, state of the art software developed by associate, PHH Engineering Ltd. Experience in reservoir simulation includes single phase gas reservoir/network studies, black-oil simulation, compositional simulation and pseudo miscible black oil simulation. Also offers expertise in fluid characterization study by phase behavior matching. Through PHH Engineering Ltd. offers reservoir engineering software which includes GCOMP, a compositional/black oil model, PHS-SIM, a phase behavior simulator and TUBFLO, a wellbore hydraulics simulator, as well as various pre and post processors.

SPECIAL SERVICES: Offers semi-annual Reservoir Simulation Workshop.

AFFILIATES: PHH Engineering software Ltd., Suite 1820, 101 - 6th Avenue S.W., Calgary, Alberta T2P 3P4, develops and offers reservoir engineering software. RCJ Resources Ltd., Suite 1822, 101 - 6th Avenue S.W., Calgary, Alberta T2P 3P4, reservoir engineering support.

PI GEOLOGICAL CONSULTANTS (1971) LTD.

Thomas Boleantu, P. Geol., President/Manager
B.M. Boleantu, Corporate Secretary Treasurer

HEAD OFFICE:
3801 - 8th Street S.W.
Calgary, Alberta T2T 3B1
(403) 243-5754

DESCRIPTION: - Provides consulting services to the petroleum industry individually and as part of a team. An entrepreneurial approach is stressed to meet client needs. - Offers 25 years expertise in offshore, international and regional exploration. - Services encompass client/ partner/government representation both at field site and at client offices; and syngergistic integration of petroleum exploration and development information, geological/ geophysical coordination, including heavy oil. - Specialists in providing analytical synopsis, operational and economic evaluations to reduce costs. -Bilingual English-French services stressing communication, public relations and marketing skills. - Training geologists in wellsite operations. - Registered APEGGA:PERMIT #P800, professional geologist, (Association of Professional Engineers, Geologists and Geophysicists of Alberta).

SPECIAL SERVICES: Key Words: offshore, international, petroleum exploration, bilingual, communication, geological/geophysical/drilling coordination, cost reduction.

JACK PICKEL PETROLEUM CONSULTANTS LTD.

Jack S. Pickel, President
E. Audrey Pickel, Secretary-Treasurer

HEAD OFFICE:
506, 610 - 8th Avenue S.W.
Calgary, Alberta
(403) 234-7721

ALBERTA OFFICES:
165 Edgehill Drive N.W.
Calgary, Alberta T3A 2W5
(403) 239-3522

DESCRIPTION: The firm was founded and incorporated in Alberta in 1979, operating in and out of Calgary. Services are to the petroleum industry, including prospect evaluation, reservoir description, formation evaluation and estimation of oil and gas reserves. Training seminars are presented to the oil industry in reservoir geology and production logging (cased hole logs). Seminars are scheduled for industry at large in Canada, USA, U.K., and Singapore. 'In house' seminars are available on demand, and have been presented in Canada, USA, India, and Nigeria.

PITEAU ENGINEERING LTD.

E.B. Claridge, Director
T.L. Babrowski, President
R.A. Dakin, Associate
D.C. Martin, Director
A.F. Stewart, Associate

HEAD OFFICE:
206, 1615 - 10th Avenue S.W.
Calgary, Alberta T3C 0J7
(403) 244-6415 TLX/TWX
03-821172

DESCRIPTION: Piteau Engineering Ltd. offers a comprehensive range of consulting services in geotechnical, rock mechanics and groundwater engineering with emphasis on mine development, regional hydrogeological and hydrogeochemical investigations, analysis and design of dewatering/ depressurization systems, groundwater quality monitoring for municipal and industrial waste disposal facilities and water supply projects. The company's staff of geological, hydrogeological and civil engineers have developed specialized expertise combined with extensive experience on a wide variety of major civil and resource related projects. Numerous investigations for mining, highway, railway, pipeline, liquid and solid waste management, environmental impact assessments, water supply, hydroelectric and forestry development projects have been undertaken by Piteau Engineering both in Canada and in many other countries.

OTHER CANADIAN OFFICES: Piteau Associates Engineering, Vancouver, B.C.

AFFILIATES: Komex Consultants Ltd.: specializes in geotechnical engineering consulting services for civil and resource development projects. These include artificial drilling islands in the Mackenzie River and Beaufort Sea, the Alaska Highway natural gas pipeline and other northern pipelines, hydroelectric power projects, waste water lagoons and open pit mines. The company has also participated in water resource and hydroelectric projects at overseas locations, including Ethiopia, India and Bangladesh.

PLISHKA, PRODANIUK, WOODS, ASSOCIATES LTD.

R. Prodaniuk
O. Botar
V. Malbotra

HEAD OFFICE:
12634 Fort Trail
Edmonton, Alberta T5C 3C1
(403) 475-1836

SPECIAL SERVICES: Consulting architectural engineering services (multi-disciplinary), innovative ultra-modern building design specialists (residential, institutional, commercial, industrial), scientific, technical, and practical utilization, optimization, and conservation of energy.

PORTEOUS ENGINEERING LIMITED

W. Robert Porteous, P. Eng.,
President

HEAD OFFICE:
350, 736 - 8th Avenue S.W.
Calgary, Alberta T2P 1H4
(403) 232-6772 TLX/TWX
03-821172

DESCRIPTION: Porteous Engineering Limited is an Alberta corporation formed to provide a totally Canadian owned and controlled, specialized engineering service for drilling, completion and production problems. It offers Canadian and international clients professional petroleum engineering services with an emphasis on design, execution and evaluation of effective well completions and workovers, and production optimization. A perspective is design, execution and evaluation of effective well completions and workovers, and production optimization. A perspective is offered that encompasses over thirty years of experience, yet is independent of service company or manufacturer commercial interests. Specific areas of expertise offered by Porteous include: complex primary and remedial cementing job design; formation testing mechanics and interpretation,; formation sand control methods; formation damage prevention, detection and removal; well stimulation design using state-of-the-art procedures for both sandstone and carbonate reservoirs; on-site quality control and consultation; prepared technical training seminars on hydraulic fracturing and acidizing, formation damage, and casing and cementing technology. The firm has the ability to work in harmony with client personnel at all technical and administrative levels and accepts as one of its responsibilities on-the-job technology transfer. Clients have included many junior to medium Canadian energy companies, large, fully integrated international firms, Canadian government agencies and crown corporations, as well as numerous foreign firms and governments.

B.M. POTTER CONSULTANTS LTD.

B.M. Potter, President

HEAD OFFICE:
Suite 204, 3016 - 19th Street N.E.
Calgary, Alberta T2E 6Y9
(403) 250-1430

DESCRIPTION: B.M. Potter Consultants Ltd. provides comprehensive consulting services in the field of civil engineering and other related specialties. The firm's primary areas of activity include municipal, structural and transportation engineering. This general expertise is further complemented by other specialized skills in economic and financial analysis, conceptual and process design, construction services and investigative engineering. Company offices are located in Calgary, Alberta and Fort Simpson, NWT. Clients include individual entrepreneurs, companies, municipalities and government agencies throughout Alberta, the Northwest Territories, other parts of western Canada. The company takes pride in its broad knowledge of engineering fundamentals, innovative solutions to problems, comprehensive service to clients, professional integrity, and high standard of work. An extensive reference library is maintained for technical research and product selection. An in-house computer system is also used for all engineering design, accounting, word processing, and project management functions. The firm maintains professional liability insurance through Reed Stenhouse Ltd. The facilities of the Royal Bank of Canada are utilized for banking services. The firm's accountants are Amonson Lalonde Ware & Co. of Calgary.

OTHER CANADIAN OFFICES: Suite 202, 9414 - 100 Street, P.O. Box 435, Fort Simpson, NWT X0E 0N0.

PREMIER RESERVOIR ENGINEERING SERVICES, LTD.

Dr. A.K. Singhal, President/Principal Consultant

HEAD OFFICE:
12 Varmoor Place N.W.
Calgary, Alberta T3A 0A1
(403) 288-2041/234-8443

DESCRIPTION: The firm was founded in 1986 in Calgary and incorporated in Alberta in February, 1986. Broad range of services in reservoir engineering, enhanced recovery of light and heavy oil and gas engineering are provided, with special emphasis on evaluations, design, and interpretations of reservoir data from various oil and gas operations. Diversification into research and development, and training are currently being implemented.

SPECIAL SERVICES: Long range supply/demand assessments of various petroleum and natural gas products and strategic planning services are also provided.

PRIMUS CONSULTING LTD.

H. Lui, P.Eng., President
K. Pak, P.Eng., Vice President
P. Bazant, P.Eng., Secretary

HEAD OFFICE:
5572 - 4th Avenue N.E.
Calgary, Alberta T2A 4A9
(403) 235-6691

DESCRIPTION: The firm was formed in 1984 in Calgary. The company provides a wide range of geotechnical engineering and material testing services. Our professional members have diverse experience, and have long been involved in serving the resource and building industries. Services include geotechnical study for industrial, commercial and residential developments, instrumentation for earth/structure movements, and vibration study. We have in-house expertise in monitoring and analyzing foundations subjected to dynamic loads, such as compressor bases.

SPECIAL SERVICES: Our specialized services include pre-construction survey to document conditions of buildings and to monitor building movements, vibration study to evaluate effects on human and on structural integrity of buildings due to piling, blasting, machine operation and traffic, and dynamic analysis of foundations supporting machinery.

PRISM ENGINEERING & SURVEYS LTD.

W.J. Malainey, P.Eng., A.L.S., President/Manager

HEAD OFFICE:
128, 1935 - 32nd Avenue N.E.
Calgary, Alberta T2E 7C8
(403) 291-5534

DESCRIPTION: The firm was formed and incorporated in Alberta in April, 1986. Prism Surveys Ltd. was a forerunner of the present firm. We offer a broad range of services in structural and municipal engineering design. We are also a land survey firm offering a wide range of legal and construction surveys to the public.

GK EXPLORATIONS LTD.(PRO GEO CONSULTANTS)

Gordon D. Crowell P.Geol. Partner - President
Robert Earle P.Geol. Partner - Manager

HEAD OFFICE:
1800 - 840 - 7 Avenue S.W.
Calgary, Alberta T2P 3G2
(403) 262-9229

DESCRIPTION: Pro Geo Consultants is a 100% Canadian owned geological consulting company registered in Alberta. Pro Geo was formed in 1977 by Gordon D. Crowell (MSc,P.Geol) and entered into wellsite geology at that time. In 1985 a partnership was formed between Gk Explorations Ltd. and Earle Consulting Ltd. to provide geological wellsite consulting and general geological consulting. Services include hydrocarbon detection through the use of 'hot wire' and 'gas chromatograph' equipment. Through Pro Geo's use of nearly 20 geologists, on contract basis, we have a very wide range of experience.

PRO WEST ENGINEERING LTD.

J.E. Preece, President
J.L. Child, Vice President

HEAD OFFICE:
206, 6025 - 12th Street S.E.
Calgary, Alberta T2H 2K1
(403) 252-5466

DESCRIPTION: Pro West Engineering Ltd. is a Canadian company incorporated in the Province of Alberta in 1986. The company provides engineering services and the integrated service of engineering, procurement, and construction to the hydrocarbon industry. Major areas services include: gas processing, sulphur recovery, oil and heavy oil industries. Pro West offers its own proprietary licensed process to the industry in the area of level recovery of natural gas liquids from natural gas streams.

PROACTIVE TECHNOLOGIES INTERNATIONAL, INC.

John P. Holgate, President

HEAD OFFICE:
13109 - 104 Avenue
Edmonton, Alberta T5N 0W1
(403) 453-1478

DESCRIPTION: We are in a rapidly changing world. We believe in the management of change based on innovation and positive action. We undertake assignments in the areas of project management, engineering, quality assurance and the operation of facilities for the production, gathering, treating, tranasmission and distribution of petroleum and petroleum products.

SPECIAL SERVICES: Our mission is the application of emerging technologies to increase the quality and productivity of the services we provide our clients.

AFFILIATES: Information Management Consulting

PROCESS SOLUTIONS CANADA LIMITED

David G. Rogers, President & CEO
Niclaus D. Woronuk, V.P. Product Support and Development

HEAD OFFICE:
17210 - 106 A Avenue
Edmonton, Alberta T5S 1E6
(403) 486-2458

DESCRIPTION: Process Solutions was incorporated in Alberta in 1985, and provides a broad range of automation services to manufacturing and petro- chemical industries. The firm has extensive experience with large process control systems (80,000 monitored points) operating on D.E.C. host computers and utilizing RSX and VMS operating systems, interfaced with most PLC and distributed micro-processor control hardware. As a value added manufacturer of turn-key process control systems, Process Solutions can provide a full range of services including initial feasibility analysis hardware/instrument selection, procurement, programming, construction, documentation and startup. Process Solutions also vends a proprietary software product known as UPCS, which runs in both host computer and networked operator station environments, providing full plant information services and colour graphic operator interface.

PROCOR LIMITED, SULPHUR SERVICES DIVISION

L.G. Peppler, Vice President & General Manager
D.A. Brosteaux, Controller
F.T. Draycott, Manager, Sales, Marketing & R&D
J.C. Smith, Manager, Operations & Engineering

HEAD OFFICE:
Procor Limited
2001 Speers Road
Oakville, Ontario L6J 5E1
(416) 827-4111

ALBERTA OFFICES:
310 Southport Building
10333 Southport Road S.W.
Calgary, Alberta T2W 3X6
(403) 253-5969 TLX/TWX
03-824795

Procor Limited (Sulphur Services Div. - Sales Office)
1200, 734 - 7th Avenue S.W.
Calgary, Alberta T2P 3P9

DESCRIPTION: Procor is a wholly owned subsidiary of the Marmon Group of Chicago consisting of eight divisions and affiliates. The Sulphur Services Division was originally formed in 1971 through the acquisition of a small Calgary based contracting firm which had developed a sulphur forming process called 'slating'. Improvements in the forming and handling methods lead to the development of a granulating process in 1977. Present services include the design, engineering, construction and operation of sulphur forming facilities. The division currently has the capacity to process 4 million tonnes of sulphur annually in Alberta and additional forming facilities exist in Greece, South Africa, the Caribbean and the Middle East. Current emphasis is on the reclamation of block and base pad sulphur and its purification for export markets. The company has experience with in situ and static, tube type melters and has developed filtering equipment to handle contaminated sulphur.

SPECIAL SERVICES: Sulphur Services Division specializes in supplying all phases of sulphur forming, handling, storage, weighing and loadout services. The Division also provides reclamation of sulphur block inventories and purification of contaminated sulphur.

SUBSIDIARY INFORMATION: Procor's Other Divisions: Railcar Division - Manufacturing and leasing of tank and freight cars. LPG Storage Division - Storage services of LPG in underground storage facilities. Procrane Inc. - Supply of crane services in Canada and throughout the world. Continental Transport Appliances - Supply of various products to the transportation industry, primarily related to the unloading of bulk commodities. Robertson Whitehouse Fastener Division - Manufacturing and distribution of fasteners. Ecodyne Limited - Designing, engineering, manufacturing installation and servicing of water treatment systems. Procor UK Limited - Leasing of all types of railway freight cars in the United Kingdom.

P.F. PROCTOR CONSULTING LTD.

P.F. Proctor, President

HEAD OFFICE:
212 - 11 Fairway Drive
Edmonton, Alberta T6J 2W4
(403) 438-1104

DESCRIPTION: P.F. Proctor Consulting Ltd. was incorporated in July, 1980, however full-time operation of the business was commenced in May, 1984. Services include: a) building structures and foundations, and structural evaluations; b) radiation protected building design and shielding analysis; c) site development utilities, roads and pavements; d) recreational facilities including arenas, swimming pools, stadiums and playing fields; e) water distribution and sewage collection systems including water storage reservoirs and sewage lagoons; f) irrigation and drainage systems including earth dams, canals, control structures and bridges; g) feasibility studies and pre-design cost estimates.

PROTOSTAR RESOURCES LTD.

Mr. M. Trobec, President
Mrs. P. Gallagher, Vice President

HEAD OFFICE:
2120 Halifax Crescent N.W.
Calgary, Alberta T2M 4C7
(403) 289-4516

DESCRIPTION: The firm was incorporated in 1985 as a private resource and holding company with an office in Calgary. An oil and gas consulting division was formed in 1986 to offer exploration, development and management services. Specific services include; lease appraisal and acquisition, prospect evaluation and risk assessment, regional geologic studies, farmout and farmin evaluations, subsurface mapping with seismic integration, log analysis and reservoir evaluation, reserve estimates and production forecasts, cash flow forecasts, discounted present value appraisal of proven producing, developed and undeveloped resource properties, and negotiation of purchase, sale or merger by cash or securities.

SPECIAL SERVICES: Formal appraisal of oil and gas properties for the purpose of issuing new securities; current market appraisal of the common shares of pure oil and gas exploration and development companies; negotiate purchase, sale, merger of resource properties by cash or securities; *employees are required to pass the Canadian Securities Course exam.

PTARMIGAN ENGINEERING LIMITED

Richard W. Imai, President
Maralee T. Imai, Vice President

HEAD OFFICE:
4211 - 95 Street
Edmonton, Alberta T6E 5R6
(403) 463-3950

DESCRIPTION: The firm was formed in 1981 in Edmonton. The company was incorporated in Alberta in 1981. Broad range of services in structural engineering for all types of building structures related to civil engineering work. Services include building structures and foundations, industrial buildings and recreational facilities, bridges and hydraulic structures, structural evaluations, and shop drawings. Specialized services are offered in the design and operation of concrete underground reservoirs and water/sewage treatment plants.

AFFILIATES: GPEC Consulting Ltd.

PULSONIC GEOPHYSICAL LTD.

Hugh Stanfield, President
Paul Hewitt, Senior Vice President, Systems
Eric Charlton, Vice President, Operations
Jim Montalbetti, Vice President, Geophysics

HEAD OFFICE:
700, 10201 Southport Road S.W.
Calgary, Alberta T2W 4X9
(403) 255-2820 TLX/TWX
03-821486

DESCRIPTION: The company was incorporated in Alberta in late 1981 and commenced operations in early 1982. We are actively involved in the development of innovative approaches to seismic data processing and offer a wide range of services to the Geophysical Industry. Services include 1) Seismic Data Processing - Land, Marine, 3D, Inversions, VSP. 2) Geophysical Research and Software Development. 3) Project Management. 4) Processing Services via data link. 5)Training.

SPECIAL SERVICES: Pulsonic maintains one of the largest seismic R & D groups of any contractor in Canada. We are developing parallel processing technology for seismic as well as general signal processing.

AFFILIATES: Digicon Inc., 3701 Kirby Drive, Houston, Texas 77098. Activities: geophysical data acquisition (land and marine), geophysical data processing, software research and development.

PYD ENGINEERING LTD.

Lloyd Yakimowich, President
G. Rae Donald, Secretary-Treasurer

HEAD OFFICE:
#204, 12212 Jasper Avenue
Edmonton, Alberta T5N 3K3
(403) 482-1591

DESCRIPTION: The firm was formed in 1972 in Edmonton to provide engineering services in the municipal engineering field; preparing feasibility studies, designs and contract documents for waterworks, sewerage and roadwork.

QMS QUALITY MONITORING SERVICES LTD.

Mr. R.R. Ransom, President
Mr. C.J. Ransom, Director
Mr. B.A. Ransom, Director

HEAD OFFICE:
Box 43, Site 12, RR#1
Spruce Grove, Alberta T0E 2C0
(403) 963-8293

DESCRIPTION: The company was incorporated in Canada and registered in Alberta in 1986. The company offers evaluative services to consumers and producers of plastic products. Services include development and implementation of product quality assurance or quality control programs, product evaluation, new product development, and failure analysis. Specialized services are offered pertaining to geomembranes, geotextiles and plastic piping products. Testing services are available.

QUANTEL ENGINEERING (1981) LTD.

S. Arrata, President
C. Abad, Vice President - Projects
R. Lowndes, Project Director
D. Stuart, Project Director
R. Massinon, Project Manager - Electrical
R. Evans, Project Manager

HEAD OFFICE:
301, 12 Manning Close N.E.
Calgary, Alberta T2E 7L4
(403) 272-9009 TLX/TWX
03-821820

DESCRIPTION: The engineering firm was formed in 1975 in Calgary. A construction company was formed in 1981. The company has capabilities of handling projects from conceptual design through detailed design, construction and start-up of oil and gas treating facilities, pipeline, offshore structures and topside facilities. Some special areas of expertise are in the gas processing and sweetening, heavy oil facilities, waterflood plants and enhanced oil recovery schemes.

QUATERNARY GEOSCIENCES LTD.

Robert A. McPherson, President, P. Eng., P. Geol.

HEAD OFFICE:
7175 - 12th Street S.E.
Calgary, Alberta T2H 2S6
(403) 255-8171

DESCRIPTION: The firm was formed in 1972 in Edmonton. An Edmonton office was opened in 1972; the company relocated in Calgary in 1979. A broad range of geological consulting services is provided with respect to oil and gas exploration and development, oil sands projects, surficial geologic mapping, air photograph intrepretation, aggregate surveys, and groundwater geology.

QUINN DRESSEL JOKINEN

Patrick Quinn, P. Eng., Partner
Dirk Dressel, P. Eng., Partner
Eric Jokinen, P. Eng., Partner

HEAD OFFICE:
505, 1550 - 8th Street S.W.
Calgary, Alberta T5R 1K1
(403) 228-4294

DESCRIPTION: Quinn Dressel Jokinen is a corporate partnership of the practices of Quinn Dressel Associates, Toronto and Montreal, and Eric P. Jokinen Associates Ltd., Edmonton, offering structural engineering services to architectural, developer and insititutional clients in Calgary and Southern Alberta.

SPECIAL SERVICES: Heritage conservation, research and development, parking planning.

OTHER CANADIAN OFFICES: Toronto, Ontario; Montreal, P.Q.

QUINTECH ENGINEERING & TECHNICAL SERVICES LTD.

H.E. Bromley, P. Eng., President
J.C. Wiebe, P. Eng., Vice President
T.J. Walls, Director
R. Raimondi, C.E.T., Director
K. Knudsen, C.E.T., Secretary-Treasurer

HEAD OFFICE:
604 - 24A Street N.W.
Calgary, Alberta T2N 2S4
(403) 270-7565

DESCRIPTION: Quintech Engineering & Technical Services Ltd., was formed in 1985, in Calgary. The firm provides mechanical and electrical engineering services for all types of projects, as well as specializing in the commissioning of building systems, computer design installations, fire alarm system verifications and building systems energy management design.

RAE, MCCLAY, MCLEAN & ASSOCIATES LTD.

R. (Bob) G. Rae, P. Eng., President
T.W. McClay, Principal, Secretary-Treasurer

HEAD OFFICE:
207, 6036 - 3 Street S.W.
Calgary, Alberta T2H 0H9
(403) 259-6716

DESCRIPTION: Rae, McClay, McLean & Associates Ltd. represents the professional experience and technical abilities of its principals, as developed since 1965, to provide mechanical engineering design services for the construction industry. The firm combines the expertise of its predecessors, Parker, Rae & Associates Ltd., Parker, McClay & Associates Ltd., Martin Murray Rae & Associates Ltd. and Klein Dashevsky & Associates Ltd. Further, the expertise of our principals includes the consulting, manufacturing, marketing and contracting segments of the industry. Design fields in which we offer expertise include: heating, ventilation, cooling, exhaust, plumbing, computer room environmental control, fire protection, solar systems, energy conservation, security, lighting, and power distribution. Our firm owns five complete micro-computer systems which are utilized for building heating and cooling load calculations, site servicing calculations, pipe and duct design, energy budget analysis, payback analysis, and comprehensive specification data.

RAGNAROK CONSULTING SERVICES LTD.

Jerome Anderson, President
C.D. Anderson, Secretary-Treasurer

HEAD OFFICE:
7036 - 61st Avenue N.W.
Calgary, Alberta T3B 3H8
(403) 286-5456 TLX/TWX
03825684

DESCRIPTION: This organization was founded in 1974. Geological consulting services are offered on a broad basis to the petroleum industry domestically, in the U.S., and overseas. Services include carbonate and clastic environmental studies, surface mapping, exploration and development, reserves and reservoir studies, photogeology, economic evaluations, land evaluations, and project management.

RAKATO CONSULTING ENGINEERING LTD.

Otakar Smolik, Manager

HEAD OFFICE:
3315 - 108 Street
Edmonton, Alberta T6J 3C9
(403) 434-6940

DESCRIPTION: The company was incorporated in Alberta in 1982, and provides a broad range of HVAC services for industrial plants and commercial buildings. Services include HVAC systems design, drawings and specifications, instrumentation, energy management, dust collection and heat recovery design. The company also provides services in industrial equipment engineering. These services include machine design, shop drawings for modification and improvements of industrial machinery. Specialized services are offered for conveyors, and mining equipment.

SPECIAL SERVICES: The company has broad experience in the research and development of new products and in the analysis and improvement of the existing systems.

RAM ENGINEERING LTD.

Robert A.R. Mills, President

HEAD OFFICE:
8903 Baylor Crescent S.W.
Calgary, Alberta T2V 3N5
(403) 233-2797

DESCRIPTION: RAM Engineering Ltd. was founded and incorporated in 1976 by Robert A.R. Mills, B.Sc., P. Eng. The firm has been active in the evaluation of producing properties, economic analysis of geological prospects, field supervision of drilling and completion operations, programming and expediting of field operations, specifying and procuring production equipment. The firm has worked throughout the United States and Canada, supervised a heavy oil project in Madagascar, and advised clients on investment in concession areas in the Philippines and China. The principal has designed a 4500 m depth- capacity diamond drilling rig for mining exploration in South Africa and is co-holder of a patented heavy oil-well pump capable of pumping high sand concentrations.

REID CROWTHER & PARTNERS LIMITED

R.C. Aitken, President
J.M. Atkinson, Vice President & Secretary
R.D. Grantham, Vice President
L.K. McMillan, Vice President
H.L. Medd, Vice President
M.B. Pierce, Vice President
E.A. Tahmazian, Vice President

HEAD OFFICE:
7410 Blackfoot Trail S.E.
Calgary, Alberta T2H 1M5
(403) 253-3301 TLX/TWX
038-22780

ALBERTA OFFICES:
17704 - 103 Avenue
Edmonton, Alberta T5S 1J9
(403) 483-3920

#133, 4919 - 59 Street
Red Deer, Alberta T4N 6C9

#301, 714 - 5th Avenue South
Lethbridge, Alberta T1J 0V1

DESCRIPTION: Reid Crowther is the oldest continuously-operating engineering firm on the Canadian Prairie. The founder of the company, John Galt, moved from Ontario to Regina at the turn of the century. The company has had various name changes since that time as new management groups succeeded old. Galt & Smith became Haddin & Miles in 1916, and in 1919 Haddin moved his head office to Calgary. In 1950 the company became Haddin, Davis & Brown and in 1965, through merger, became Reid Crowther & Partners Limited. We are able to provide services from concept development and planning, and advocacy through the approval process, to detailed design, construction completion, commissioning, operations and maintenance. Specific services that we can offer include: Bridges, Railways, Urban Transit, Transportation Planning, Airports, Roads, Highways and Freeways, Transportation Terminals. Water Resource Planning, Water Supply, Water Distribution and Storage, Water Treatment, Storm Water Management. Sewerage Systems, Regional Utilities, Urban and Regional Planning, Annexation Studies, Street Reconstruction. Site Planning and Development, Utility Rate Studies, Recreational Facilities, Building Structures. Heating and Air Conditioning, Energy Audits and Analysis, Building Electrical Supply and Distribution, Standby Power, Interior and Exterior Lighting. Controls and Instrumentation, Materials Handling, Bulk Storage, Product Screening, Offsites and Utilities, Industrial Buildings. Industrial Waste Treatment, Hazardous Wastes, Sewage Treatment, Sludge Disposal, Effluent Irrigation and Infiltration, Solid Waste Systems. Environmental Impact Assessments, Aquatic Monitoring, Resource Planning and Economics, Land Use Assessments, Recreation and Parks.

OTHER CANADIAN OFFICES: Vancouver & Kelowna, B.C.; Regina & Saskatoon, Sask.; Winnipeg, Man.; Ottawa, Ont.; Whitehorse, Yukon; Yellowknife & Inuvik, N.W.T.

OTHER FOREIGN OFFICES: Larnaca, Cyprus; Ankara, Turkey.

SUBSIDIARY INFORMATION: Pengalta Research & Development Ltd., 4425 - 64 Ave. S.E., Calgary, Alta. Offering professional engineering, project management and research and development services to hydrocarbon extractive, processing and transportation industries and agencies.

HUGH W. REID & ASSOCIATES LTD.

Hugh W. Reid, President, CEO & Secretary-Treasurer

HEAD OFFICE:
Suite 200, 305 - 2nd Street S.W.
Main P.O. Box 581
Calgary, Alberta T2P 1N7
(403) 262-1261 TLX/TWX
03-821172

DESCRIPTION: Firm was formed in Calgary in 1978. Principal of firm, Hugh Reid, offers specialized training courses in D.S.T. 'Drillstem Test Interpretation for Geologists and Engineers' as well as consulting services in DST Analysis, Hydrodynamics and related topics (fluids geology). The DST course is the only independent short course (5 days) in the subject given by an instructor not related to any service company. It has been presented 'in house' to all the major oil companies in Calgary (eg. Shell, Esso, Texaco, etc.) and has also been given as a public course to the oil industry at large in the USA and Canada as well as numerous other countries eg. Indonesia, Thailand, India, Australia. Reid is the author of various D.S.T. manuals and technical articles on closed chamber testing, as well as hydrodynamic studies in various regions of Canada and in Libya. He spent 10 years with Mobil Oil in Canada prior to entering the consulting field.

SPECIAL SERVICES: Short training courses in Drillstem Test Analysis (DST) for geologist and engineers (1 week). Followed by 2-3 weeks of local help to foreign workers with their own test analysis until client is comfortable with handling work by himself (overseas customers mainly).

REINSON CONSULTANTS LTD.

G.E. Reinson, Ph.D., P. Geol., President
B.R. Reinson, Secretary-Treasurer

HEAD OFFICE:
1001, 1015 - 4th Street S.W.
Calgary, Alberta T2R 1J4
(403) 233-8861

DESCRIPTION: The firm was formed in 1980 in Calgary, incorporated as a limited company. The range of consulting services include surface and subsurface geological mapping, sedimentological and facies analysis, and environmental interpretation for use in exploration for new, and the exploitation of existing, petroleum reservoirs. The strength of the company lies in detailed geological analysis utilizing geophysical logs, rock cores and samples, and relating such information to predicting reservoir trends and resolving reservoir continuity and productivity problems.

SPECIAL SERVICES: Clastic and Carbonate Sedimentology as related to petroleum geology.

REINTJES ENGINEERING LTD.

F.J. Reintjes, President & General Manager
A. Fabbi, Chief Designer

HEAD OFFICE:
10428 - 123 Street
Edmonton, Alberta T5N 1N7
(403) 488-0961/236-8395

ALBERTA OFFICES:
300, 444 - 5th Avenue S.W.
Calgary, Alberta T2P 2T8

DESCRIPTION: Engineering consultants since 1967 to the petrochemical and the oil and gas industry. Specializing in: pipelines, compressor stations, pump stations, water floods, gas processing plants, design, feasibility studies, project management, construction suprvision. (Brochure available)

SPECIAL SERVICES: Most projects undertaken by our firm are on the basis of engineering and project management.

AFFILIATES: Reintjes Enterprises Ltd., handles work in U.S.A.

GILBERT M. REKKEN & ASSOCIATES LTD.

G.M. Rekken, Principal

HEAD OFFICE:
Box 2199
Spruce Grove, Alberta T0E 2C0
(403) 420-1271

ALBERTA OFFICES:
5727 - 40th Avenue
Wetaskiwin, Alberta T9A 0Y7

DESCRIPTION: The firm was established in 1958 to enter consulting practice in building construction. Entered partnership in 1966 with J.A. Illmayer as Rekken Illmayer & Company Ltd. Services amounted to extensive development of highrise structures where structural and mechanical services were rendered. In 1973 practice was resumed under the name of Gilbert M. Rekken & Associates Ltd. where services in structural and mechanical engineering was continued. In 1983 a branch office was opened in Wetaskiwin, Alberta.

SPECIAL SERVICES: Energy efficiency studies, building evaluations.

RESEARCH ELECTRONICS RESELCO LTD.

Peter Noel, P.Eng., President
G. Noel, Secretary-Treasurer

HEAD OFFICE:
16302 - 80 Avenue
Edmonton, Alberta T5R 3[illegible]
(403) 489-6207

DESCRIPTION: The firm was formed in 1969 in Edmonton. Broad range of services of electrical and electronic engineering field was carried out. Specialties of the services are solid state circuitry and building for industrial purposes. The firm specialized now to employ quantum mechanical theories into energy material relation. A series of research studies carried out on energy transfer field for cancer, cerebral palsy, muscular distrophy analysis and probable treatment. Several lectures have been carried out in this field.

SPECIAL SERVICES: Quantunmechanical applications on energy-material relation. Selective resonance energy transfer (SRET) application and substitution of previously temperature related mechanical and chemical processes.

RETOM GEO-RESEARCH AND ENGINEERING INC.

Thomas Vladut, Ph.D., P.Eng. Alta., Ont., P.Q., Principal
Ronald E. Pawlyk, Vice President, Business Development

HEAD OFFICE:
11753 Canfield Road S.W.
Calgary, Alberta T2W 1J6
(403) 291-2610/238-1567

DESCRIPTION: Retom Geo-Research and Engineering Inc. is a consulting company incorporated in May, 1983 in the Province of Alberta and operating under an engineering permit issued by APEGGA. The company is an association of professionals with interests in consulting and research and development directed towards the energy resource industry. The main areas of activity encompass mining, petroleum, civil and geotechnical engineering as applied to energy and resource development. The average experience in industry amongst the associates is sixteen years.

SUBSIDIARY INFORMATION: Retom 1985 Research & Development Ltd., 200, 2749 - 39th Avenue N.E., Calgary, Alberta. Major activity: instrumentation for field testing.

RGM ENGINEERING & CONSULTANTS LTD.

R.G. Moore, President
O.C.B. Moore, Secretary-Treasurer

HEAD OFFICE:
Box 1434
Cochrane, Alberta T0L 0W0
(403) 932-3456

DESCRIPTION: RGM Engineering & Consultants Ltd. was formed in 1979. Engineering consulting services are offered in the area of enhanced recovery of both conventional and heavy oils. Major emphasis on thermal recovery methods.

AFFILIATES: Hycal Energy Research Laboratories Ltd.,
1338 A - 36th Avenue N.E., Calgary, Alberta T2E 2C7.

RGS CONSULTANTS LTD.

Ronald G. Shirley, President

HEAD OFFICE:
#305, 215 - 10 Avenue S.W.
Calgary, Alberta T2R 0A4
(403) 237-5370

DESCRIPTION: The firm was formed in 1975 in Calgary, incorporated in 1976. Services include geological wellsite supervision, core & sample studies & studies on a project basis.

RICE ENGINEERING & OPERATING LTD.

E. Hochhausen, President
D.A. Hindley, Vice President
L.P. Brown, Secretary & Treasurer

HEAD OFFICE:
8505 Argyll Road
Edmonton, Alberta T6C 4B2
(403) 469-1356

DESCRIPTION: Incorporated 1952 with offices in Edmonton. The firm has broad knowledge of oilfield production equipment, specializing in gathering, treatment and disposal of oilfield brine, water injection for pressure maintenance of oil reservoirs, and deep well disposal of liquid wastes.

SPECIAL SERVICES: Design, installation, and operation of oilfield brine disposal systems. Design and installation of systems for deep well disposal of liquid wastes.

H.D. RICHARDSON & ASSOCIATES LTD.

H. Daryl Richardson, President
M.E. Richardson, Secretary

HEAD OFFICE:
392 Varsity Close N.W.
Calgary, Alberta T3B 2Z2
(403) 247-2110

DESCRIPTION: This firm was incorporated in 1968 and has since completed more than 490 projects. Most of these have been in structural engineering and related areas, however, recent assignments have included personnel training for large companies. The company's primary activities are in the area of structural engineering, however, it is also qualified to offer its services in the areas of business management and project management. The company has its own Sperry 3070-02 computer system, with graphics capabilities, which is used for both internal applications and for engineering management analysis applications. The president, a registered professional engineer in the Provinces of Alberta, Saskatchewan, and British Columbia, has an M. Eng. degree, and MBA, and is a member of MENSA. He has been involved in the design of almost all types of structures, including highrise buildings, stacks, domes, bridges, cranes, water reservoirs, pressure vessels, and industrial facilities. In particular, he has developed specialized knowledge in the design of liquid sulphur storage tanks, supports for vibrating mechanical equipment, stress analysis of piping systems, in the performance of strain rate analysis for low temperature structural steel applications, and the analysis of the forces generated by ice buildup in water reservoirs.

RICHLYN ENGINEERING LTD.

R.B. Williams, President
K.G. Chen, Senior Process Engineering
B.C. Campbell, Senior Engineer

HEAD OFFICE:
4110 - 79th Street N.W.
Calgary, Alberta T3B 5C2
(403) 247-6030

DESCRIPTION: Richlyn Engineering Ltd. was formed and incorporated in January, 1975 in Calgary, Alberta. It specializes in providing design procurement and project management services for the planning and construction of natural gas and oil production and transportation facilities. Gas plants, compressor and pump station, oil treating plants, waterflood plants, gathering and transmission pipelines are some examples of the type of projects that Richlyn routinely handles.

RING HYDRAULICS CORP.

Curt Ring, President
Jacquline, Secretary-Treasurer

HEAD OFFICE:
R.R.#1
Millarville, Alberta T0L 1K0
(403) 931-3199

DESCRIPTION: Ring Hydraulics was incorporated in Alberta in 1985. A range of engineering services is offered in hydraulics and machine design, from concept to complete drawings and testings. Services include solid and fluid mechanics, stress and deflection, analysis, programmable controllers, electromechanical interfacing, assembly layouts, detail prints, and specifications. To date, these services have been for industrial, oil and agricultural uses.

P.E. RIVERS AND ASSOCIATES LTD.

P.E. Rivers, P.Eng., President

HEAD OFFICE:
106, 10510 - 121 Street
Edmonton, Alberta T5N 1L4
(403) 488-1212

DESCRIPTION: The firm was incorporated in March of 1977 to provide structural engineering and building design services in the light industrial, commercial and residential fields. Services provided include structural engineering design, full building working drawings, prime consultant services for projects, construction supervision and general construction consulting. In addition to consulting experience, the principal has 10 years of experience with a general contracting firm (design-build) and has knowledge of energy-efficient building design. The principal is a member of APEGGA and the Alberta Association of Architects.

D.B. ROBINSON & ASSOCIATES LTD.

D.B. Robinson, President
H. Kalra, Vice President, Mg. Lab
R.A. Tomcej, Mgr. Software
F. Nolte, Mgr. Marketing & Sales
G. Walsh, Mgr. Manufacturing

HEAD OFFICE:
9419 - 20th Avenue
Edmonton, Alberta T6N 1E5
(403) 463-8638 TLX/TWX
037-2966
FAX 403-425-0329

DESCRIPTION: The company was formed in 1980 in Edmonton and occupied premises at 9324 - 31 Avenue from July 1981 until it moved to the Edmonton Research and Development Park in September, 1984. The firm specializes in research quality measurements on the properties of oil, gas and related fluids as required for enhanced oil recovery, gas processing, heavy oil displacement, the petrochemical industry and the like. The firm also develops and markets computer software for dealing with all aspects of fluid properties and phase behavior such as transporting, processing, treating or handling hydrocarbon and related fluids. To complement its activities in experimental laboratory measurements, the firm also designs and manufactures specialized equipment used for the confinement, transfer or observation of fluids under pressure. Consulting services in the area of gas/oil process design are also offered.

SPECIAL SERVICES: Our firm has the technical expertise to design special experimental procedures and equipment for obtaining precision data on the behavior of simple or complex gases, oils, or related reservoir or petrochemical fluids.

RPI CANADA LTD.

Clarence Campbell, President
Frank Stoakes, Vice President
Marj Rees, Marketing Director
Lorcan O'Melinn, General Manager

HEAD OFFICE:
925 Gervais Street
Columbia, South Carolina 29201
(803) 256-7322

ALBERTA OFFICES:
1616, 540 - 5th Avenue S.W.
Calgary, Alberta T2P 0M2
(403) 269-2992 FAX 264-2566

DESCRIPTION: RPI is an Alberta incorporated firm established in 1980 in Calgary. A variety of consulting services are offered, including confidential geological services, environmental studies and continuing education courses. The geological services involve geologic mapping, core analysis, petrographic and reservoir quality studies to prospect generation. The environmental studies extend to oil spill and hazardous material control and environmental mapping using RPI's Environmental Sensitivity Index. Our continuing education courses include seminars on modern elastic depositional systems and carbonate systems.

OTHER FOREIGN OFFICES: Austin, Texas; Boulder, Colorado.

RTM ENGINEERING LTD.

R.W. Temple, President
T.J. McCann, Vice President
R.A. Godderis, Vice President
T.S. Royan, Vice President, Sr. Proj. Mgr.
E.H. Scott, Marketing & Planning
G.A. Littke, Cancrude Consultants
M.A. Schoening, Environmental Consultant

HEAD OFFICE:
#900, 5940 Macleod Trail South
Calgary, Alberta T2H 2G4
(403) 253-4465 TLX/TWX
03-822639

DESCRIPTION: RTM Engineering Ltd. now incorporates the amalgamation of Adept Engineering and Cancrude Consulting. This 100% Canadian owned firm offers conceptual design, project management and detail design on gas plants, refineries, petrochemical plants, compressor stations, pipelines and underground storage facilities. The Adept Engineering Division offers total energy management and conservation auditing services for process and industrial facilities and buildings of all types. Thermography is used extensively in these studies. Adept has energy audit engineers, sophisticated thermographic equipment and on staff certified thermographers/engineers. In addition thermography is offered to effectively point out moisture buildup in building envelopes which leads to degradation of the materials. Once identified the causes can be established and preventive measures taken. Thermography is also offered to locate roof leaks and is a very effective way to establish the specific problem areas. Thermography is also offered to assist with planned maintenance programs for scanning electrical systems, refractory, bearings, and any other situations where heat differential is a symptom of a problem. The Cancrude Division provides comprehensive statistics and consulting services with regard to LPG production and forecasts in the United States and Canada.

AFFILIATES: W.G. MATTHEWS ASSOCIATES LTD., Ste. 205, 265 Carling Ave., Ottawa, Ont. K1S 2E1. Policy planning, project definition and development, feasibility studies, economic evaluations, market surveys, forecasts, sector and sub-sector analysis, economic impact assessments and government relations. RTM CONSULTANTS LTD., #204, 8171 Alexandra Road, Richmond, B.C. V6X 1C3. Principal, Mr. Ron Towell, formerly President and Vice-President of RTM Engineering Ltd. Supply of consulting engineering services to the processing industries in British Columbia including detailed design, project & construction management, study work and government liaison for refining, chemical, fertilizer, oil and gas pipeline industries.

RUSSELL & BAIRD ARCHITECTS LTD.

J.F. Russell, MRAIC, Partner
R.F. Baird, MRAIC, Partner
R.F. Manuel, P.Eng., Associate

HEAD OFFICE:
378 - 1st Street S.E.
Medicine Hat, Alberta T1A 0A6
(403) 527-8111

DESCRIPTION: Russell and Baird Architects Ltd. provides complete building design services in the areas of commercial, industrial, institutional, recreational, office, and residential construction. The structural engineering component of these services is provided in-house with the other engineering services being provided by outside consultants.

R.W.D. WELLSITE CONSULTANTS LTD.

A. Ross Waters, President
Debora P. Waters, Secretary-Treasurer
P. Ridge, Vice President

HEAD OFFICE:
836 Canaversal Crescent S.W.
Calgary, Alberta T2W 1N4
(403) 251-4449

DESCRIPTION: R.W.D. was incorporated in Alberta in 1980. The company provides independent wellsite geology consultancy in Canada based on 16 years of experience, including 10 years in the international theater as both geologist and drilling supervision. A general course of instruction in wellsite supervision of both geology and drilling is offered (12 courses taught, to date, internationally).

SPECIAL SERVICES: Geological wellsite supervision and wellsite supervision courses available.

J.E. RYMES ENGINEERING LTD.

John E. Rymes, P. Eng., President

HEAD OFFICE:
6319 Bowness Road N.W.
Calgary, Alberta T3B 0E4
(403) 247-1121

DESCRIPTION: The Company was incorporated in the Province of Alberta on January 1, 1967 to engage in a consulting practice in Mechanical Engineering primarily dealing with transportation and equipment for both off-highway and on-highway applications. In addition, mechanical and machine designs, industrial engineering and specialized patent activities also form part of the broad Mechanical Engineering Consulting Practice. The Company has continuously been actively engaged in many study designs, development, experimental and test programs related to heavy duty automotive off-highway and on-highway transportation, construction, mining and pipeline equipment. Specialized mechanical designs as well as plant layouts and related industrial engineering have also been undertaken. Patent activities associated with these programs have also been undertaken on behalf of some of our clients. Brochure Available.

SPECIAL SERVICES: Specialized transportation, construction, mining, pipeline machinery and equipment designs. Arctic equipment evaluations and designs. Feasibility and logistic analysis of equipment. Specifications and studies - equipment and components. Accident evaluation and analysis. Transportation studies and designs. Excavation analysis and designs - equipment. Equipment and component failure analysis. Patent liaison services.

SAFRONEK POMEROY & ASSOCIATES LTD.

Emil Safronek, President
William Pomeroy, Secretary-Treasurer

HEAD OFFICE:
302, 239 - 10 Avenue S.E.
Calgary, Alberta T2G 0V9
(403) 233-0070

DESCRIPTION: Safronek Pomeroy & Associates Ltd., incorporated in Alberta in 1984, is the successor company to the consulting professional engineering practices of The Klassen Angus Group Ltd., incorporated in Alberta in 1981, and H.W. Klassen & Associates Ltd., incorporated in Alberta in 1960. The firm offers to government and private sectors, mechanical and electrical engineering services associated with the building industry.

SAMIDE ENGINEERING LTD.

Gerald W. Samide, President

HEAD OFFICE:
204, 9924 - 106 Street
Edmonton, Alberta T5K 1C4
(403) 426-3109

DESCRIPTION: Samide Engineering Ltd. has been in business since 1979. Although its offices are located in Edmonton, its services are offered throughout Alberta. Services include detailed investigation and design in the areas of drainage and flood control facilities, sewage treatment facilities, dams, hydraulic structures, subdivisions, and storm sewers. The firm handles complete projects from preliminary investigation through design, government approval, tender, and construction management.

SPECIAL SERVICES: Specialize in hydrology, hydraulics and sanitary engineering.

SB GEOLOGICAL ASSOCIATES

David L. Stauft, Principal Consultant
Robert C. Bland, Principal Consultant

HEAD OFFICE:
300 Pembina Place
1035 - 7th Avenue S.W.
Calgary, Alberta T2P 3E9
(403) 290-1920

DESCRIPTION: The firm was formed in 1982 by the two principal consultants as a corporate partnership of their private companies. Since then the staff levels have varied depending on projects being undertaken to a peak of 15. Current staff consists of 3 professionals and one staff person. Services include regional geological studies, a core description service, geological computer applications, educations seminars, biostratigraphic consulting, and general consulting.

SCEPTRE ENGINEERING LTD.

B. Dale Olafson, President

HEAD OFFICE:
102, 1011 - 17th Avenue S.W.
Calgary, Alberta T2T 0A8
(403) 244-5505

DESCRIPTION: Sceptre Engineering Ltd. was incorporated as a private company in the Province of Alberta in 1981. Services include engineering, procurement and construction of small gas treating plants, compressor and pumping stations, injection facilities, oil batteries and treating plants, plant turnaround or maintenance as well as straight construction. Company has on staff competent construction superintendents as well as a wide range of skilled tradesmen who although are not on staff are usually employed on our projects. Most mechanical engineering is done out of this office. Civil, process and electrical engineering as well as instrumentation design is handled by associates as required.

SCHAFER ENGINEERING SERVICES LTD.

Merv Schafer, President
Faye Schafer, Secretary-Treasurer

HEAD OFFICE:
340, 7330 Fisher Street S.E.
Calgary, Alberta T2H 2H8
(403) 259-6765

DESCRIPTION: The firm was formed in Calgary in 1974 and incorporated in Alberta in 1975. Consulting and programming services are provided to industrial users of computer-based data acquisition and control systems. Services include project feasibility, budget estimates, equipment selection, software design and project management. Experience is primarily with natural gas gathering, transmission and distribution systems; municipal water distribution systems and product pipelines. The company is active in projects across Canada.

SCHEFFER CONSULTANTS LTD.

M. Scheffer, President

HEAD OFFICE:
#107, 200 Carnegie Drive N.E.
St. Albert, Alberta T8N 3K1
(403) 459-4964

ALBERTA OFFICES:
#208, 1865 Dunmore Road S.E.
Medicine Hat, Alberta T1A 1Z8

DESCRIPTION: The company was incorporated in 1975, and offers consulting engineering services in transportation planning and design, land development engineering and municipal engineering. Services have been provided to all three levels of Government and a number of private industry clients, both large and small. Projects have been carried out in every major city in Alberta, as well as in numerous smaller municipalities in Alberta, Saskatchewan and British Columbia. Specialized expertise is available for Traffic Planning studies for municipalities, Traffic Impact studies for major commercial and institutional developments, and Economic Feasibility and Planning studies for proposed land development projects. When required, other specialized structural, geotechnical, hydrogeological and architectural consultants are retained.

H.J. SCHEUNHAGE & ASSOCIATES LTD.

Henry Scheunhage, President
Thelma Scheunhage, Secretary

HEAD OFFICE:
9917 - 116 Avenue
Grande Prairie, Alberta T8V 3Y3
(403) 532-6035

DESCRIPTION: The firm was founded and located in Grande Prairie, in 1979. It operated as a proprietorship until the firm was incorporated in 1982 in Alberta. Engineering services are offered mainly in foundation and structural engineering. Prime consultant services are offered for industrial and commercial buildings, including preparation of plans and specs, tendering documents, and project inspection services.

SPECIAL SERVICES: Wood basement design and inspections, portable bridge design for oilfield use.

SCHMIDT FELDBERG CROLL HENDERSON ARCHITECTS.ENGINEERS

H.G. Feldberg, P. Eng., Partner
S.S. Schmidt, FRAIC, Partner
N.H. Croll, FRAIC, Partner
C.J.B. Henderson, MRAIC, Partner
E.G. Underwood, MRAIC, Partner
S.W. Ngan, P. Eng., Associate

HEAD OFFICE:
10437 - 123 Street
Edmonton, Alberta T5N 1N8
(403) 488-4806

DESCRIPTION: The firm has provided architectural and structural engineering services in Alberta for over 40 years. Structural engineering services are provided for all types of building projects. Special areas of experience include the design and site services for high rise office and commercial buildings, hospitals, and manufacturing plants for the food processing industry. (Brochure available)

SCI ENGINEERING & CONSTRUCTORS INC.

Paul Giannelia, President
David Pirie, Secretary-Treasurer

HEAD OFFICE:
1177 - 11th Avenue S.W.
Calgary, Alberta T2R 0G5
(403) 245-8555 TLX/TWX
03-821848

OTHER CANADIAN OFFICES: Vancouver, British Columbia

OTHER FOREIGN OFFICES: Seattle, Washington, USA.

SCION PETROLEUM ENGINEERING LIMITED

R.P. Merrett, President, General Manager
A.C. Shea, Vice-President, Eng. Manager
A.E. Morningstar, Vice-President, Mktg. Manager
R.F. Schuetz, Secretary

HEAD OFFICE:
201, 1400 Kensington Road N.W.
Calgary, Alberta T2N 3P9
(403) 283-4112

DESCRIPTION: Incorporated in Alberta in 1980, the company undertakes project management, engineering, design, and construction inspection for oil and gas processing facilities, batteries and pipelines. Particular expertise in obtaining regulatory agency approvals.

SCOTT ENGINEERING SERVICES LTD.

G.L. Scott, President
B.M. Scott, Secretary-Treasurer

HEAD OFFICE:
3412 Brenner Drive N.W.
Calgary, Alberta T2L 1X7
(403) 282-8854

DESCRIPTION: The company was incorporated in Alberta in 1974. It offers a broad range of services in engineering and project management including feasibility studies, capital cost estimates, preparation of specifications, and tender documents, bid evaluation, scheduling, expediting, inspection, cost control, project supervision, piping design, pressure vessel design, and technical expertise in the engineering and design of oil and gas production and processing equipment. Experience is provided in the design of water and hydrocarbon dewpoint control facilities, sour gas sweetening plants, compressor stations, crude oil processing plants, water separation and injection, and gas gathering systems.

SPECIAL SERVICES: The principal of the firm, G.L. Scott, P. Eng., has 22 years experience in the petroleum, thermal and heavy water industries and will work out of the client's office as required.

JOHN SCOTT ENGINEERING

John N. Scott, Proprietor

HEAD OFFICE:
413, 3131 - 63 Avenue S.W.
Calgary, Alberta T3E 6N4
(403) 246-9320

DESCRIPTION: John Scott Engineering was formed in 1983 in Calgary. Services provided include the testing of gas turbines, centrifugal compressors, economic studies, maintenance and overhaul planning, trend analysis, performance evaluation, and gas measurement studies.

SPECIAL SERVICES: The turbine and compressor testing services provided are recognized as being among the best in the industry. I have given technical papers on the subject at several international conferences.

R.H. SCOTVOLD ENGINEERING LTD.

R.H. Scotvold, President

HEAD OFFICE:
7 Glenwood Crescent
St. Albert, Alberta T8N 1X5
(403) 458-2630

DESCRIPTION: Prior to 1985, R.H. Scotvold Engineering Ltd. was a partner in a multifaceted design and project management organization operating out of Edmonton. During the latter part of 1984, the firm began operating independently, providing consulting services to industrial and institutional clients. The firm has expertise in the electrical, mechanical and control fields. Special areas of service include: energy management, provision of operating manuals and documentation for complex facilities/processes, provision of fire and safety programs.

SPECIAL SERVICES: Provision of operating manuals and documentation for complex facilities/processes; provision of fire and safety programs for institutions and industrial facilities.

SCRIMES ENGINEERING CONSULTANTS LTD.

W.R. Scrimes, P.Eng., President

HEAD OFFICE:
2927 Park Lane S.W.
Calgary, Alberta T2S 2L6
(403) 243-3089

DESCRIPTION: The firm was formed in 1974 in Calgary to serve the crude oil and natural gas industry. The company was incorporated in Alberta in 1975. A broad range of services in electrical, electronics and telecommunications engineering project design, procurement and management is offered.

SEABORN CONSULTANTS LTD.

Clark G. Seaborn, President

HEAD OFFICE:
5, 4041 - 74th Avenue S.E.
Calgary, Alberta T2C 2H9
(403) 236-8955

DESCRIPTION: The company's design group was formed in 1973. Since that date it has been involved in a large variety of building projects for private industry. Seaborn Consultants specializes in the complete construction packages for office, mercantile, manufacturing and warehouse buildings. In this field the firm has provided design related to site selection, preliminary design, site planning and complete working drawings for the architectural and structural building elements. This work usually is done entirely 'in house', ensuring close collaboration with the owner user and contractor. This past expertise has been recongized by the Alberta Association of Architects, which has issued an authorization to continue this service under the new Alberta legislation. Seaborn Consultants has also provided most of the design shop drawings, engineering supervision and performance testing of precast concrete building components for a precast concrete manufacturer in Calgary and Edmonton. Seaborn Consultants carries out continuing inspection and procedure control services for a number of Canadian Welding Bureau approved fabrication shops.

SEALE ENGINEERING LTD.

James B. Seale, P.Eng., President
Patricia E. Seale, B.Sc., Secretary-Treasurer

HEAD OFFICE:
17510 - 102 Avenue
Edmonton, Alberta T5S 1K2
(403) 483-0206

DESCRIPTION: The firm was formed in 1973 and incorporated in Alberta in 1976. The firm specializes in failure analysis, the design of special purpose machinery, and the mechanical design of pressure vessels, stacks, tanks and heat exchangers. A computer program package is available for the design of pressure vessels and tanks.

SPECIAL SERVICES: Design of Industrial Machinery, Pressure Vessels, Heat Exchangers. Failure Analysis. Hoisting and Rigging Studies and Design.

G. SEDGWICK CONSULTING LTD.

George E. Sedgwick, President
Mary M. Sedgwick, Secretary-Treasurer

HEAD OFFICE:
688 Lee Ridge Road
Edmonton, Alberta T6K 0P2
(403) 462-1207

DESCRIPTION: The firm was formed and incorporated in Alberta in 1979. The company offers a wide range of services in engineering and industrial R&D. Services include engineering evaluations and studies, and R&D project management and engineering related to computerized control systems, process instrumentation, multi-phase pipeline flow and metering, pipeline leak detection, oil sands stability monitoring, materials processing by high power CO2 and other lasers, laser-based instrumentation and fiber optics for process control and communications. Brochure available.

SPECIAL SERVICES: High power lasers. Materials processing by laser. Fiber optics for instrumentation and communications.

SEIDLITZ ENGINEERING LTD.

Dale Seidlitz, President

HEAD OFFICE:
501A, 805 - 8th Avenue S.W.
Calgary, Alberta T2P 1H7
(403) 263-8863

DESCRIPTION: Seidlitz Engineering Ltd. is a consulting engineering company providing a complete production engineering service to the oil and gas industry. Sicne 1984, service has been provided in the areas of production engineering, facility and pipeline system design and project management.

SEIS-STAR GEOPHYSICAL LTD.

W.E. (Bill) Hodgan, President
Garth Wilcox, Vice President
Angus McKay, Computer Processing Manager

HEAD OFFICE:
800, 640 - 8th Avenue S.W.
Calgary, Alberta T2P 1G7
(403) 233-8153

DESCRIPTION: Seis-Star Geophysical Ltd. was formed in 1986 in Calgary for the purpose of processing geophysical field data, both land and marine operations. It utilizes the large Univac 1100-81A main frame computers with DSPS state-of- the-art software. Effectively, there is no limitation on trace, profile or line sizes. No job is too big or too small. High resolution plotting is performed on modern Venatec electrostatic plotting devices and geospace film/ paper plotters for the ultimate in final product presentations.

SPECIAL SERVICES: Geophysical computer processing.

SENTROL SYSTEMS LTD.

S. Smythe, President
J. Visentin, G.M. & Vice President, SPD Division
J. Deremigis, G.M. & Vice President, FPID Division
D. Raddage, G.M. & Vice President, International Division
V. Vapsva, Vice President of Finance.

HEAD OFFICE:
4401 Steeles Avenue West
Downsview, Ontario
(416) 661-7000

ALBERTA OFFICES:
1, 6325 - 12th Avenue S.E.
Calgary, Alberta T2H 2K1
(403) 253-8848 TLX/TWX
03-825784

OTHER FOREIGN OFFICES: Atlanta, Georgia, USA; Melbourne, Australia.

SEPAR SYSTEMS & RESEARCH LTD.

Lorne Gramms, President

HEAD OFFICE:
149, 6815 - 8th Street N.E.
Calgary, Alberta T2E 7H7
(403) 295-0565

DESCRIPTION: The firm was founded in 1986 in Calgary. The firm offers a broad range of services in water and waste water treatment, and research and specialty equipment design for innovative water treatment including all types of industrial, domestic waste water, and produced water for treatment for direct discharge or for recycle. In addition, the firm has developed new technology in the field of oil-water separation. General engineering services include water and waste water treatment system design, preparation of contract docs and bid evaluation, contract supervision, and start up/ commissioning.

OTHER FOREIGN OFFICES: Bend, Oregon, USA.

SEREDA MARSH & ASSOCIATES LTD.

Jack R. Marsh, President
Dave R. Sereda, Vice President

HEAD OFFICE:
5418 - 97 Street
Edmonton, Alberta T6E 5C1
(403) 437-3276

DESCRIPTION: The firm was incorporated in 1978 in Edmonton. Originally providing materials testing services to the construction industry, the firm expanded to include materials environmental and urban/municipal engineering. Services are provided in the areas of feasibility studies, conceptual designs, preliminary and detailed engineering. The company is supported by a CSA certified materials testing laboratory and specialists in soils, asphatic concrete, normal Portland cement, concrete and environmental controls. Engineering services are being provided to other professionals, mainly engineers and architects, to government agencies and departments, to private developers and to industry. The principals and staff participate on projects as part of a multi-disciplinary team or as project specialists covering our areas of expertise. Our goal is to provide effective, competent engineering services to our clients in Western and Northern Canada.

SERV-ALTA ENGINEERING LTD.

Randy M. Block, President

HEAD OFFICE:
4216 - 69 Street
Camrose, Alberta T4V 3Y9
(403) 672-2468

DESCRIPTION: Organization started in 1967 as a consulting firm to serve Alberta and B.C. in municipal, commercial, industrial, institutional, and recreational services.

SERVIPETROL LTD.

Robert Aguilera, President
Maria E. Aguilera, Secretary

HEAD OFFICE:
665 - 8th Street S.W.
Suite 303
Calgary, Alberta T2P 2A5
(403) 266-2535 TLX/TWX
03-827538

DESCRIPTION: The company was incorporated in the Province of Alberta in May 1981 and in the State of Texas in October, 1979. The combined experience of the staff has been acquired through involvement in studies in Canada, the United States, Mexico, Colombia, Venezuela, Peru, Argentina, Abu Dhabi, Algeria, Philippines and the North Sea. The company specialized in the evaluation of naturally fractured reservoirs, and offers the fracture completion log (FCL - a service mark of Roberto Aguilera & Associates, Inc. and Sunmark Worldwide Services, Inc.) service, a unique approach that helps operators to decide with respect to completion and recompletion of fractured reservoirs. The company has developed software to handle problems such as log interpretation, well test analysis, gas and water coning, material balances, Monte Carlo simulation and economic evaluations. Hundreds of companies have been represented in courses taught by Roberto Aguilera in Canada, the United States, Mexico, Peru, Argentina, Venezuela, Colombia, Guatemala, Brazil, Egypt, India, Japan, Denmark, Italy, Syria and England.

SPECIAL SERVICES: Fracture completion log (FCL), a process that allows the evaluation of naturally fractured reservoirs is offered exclusively by Roberto Aguilera & Associates, Inc. and Sunmark Worldwide Services, Inc. Well test analysis and performance forecasts with the use of dual-porosity models.

SHAWA GEOCONSULTANTS LTD.

Dr. Monzer S. Shawa, President
Sissel E. Shawa, Secretary-Treasurer
Fred Liu, Senior Geologist
Jeff Boga, Administrative Assistant
Vivian Sutherland, Marketing - Canada

HEAD OFFICE:
660, 101 - 6th Avenue S.W.
Calgary, Alberta T2P 3P4
(403) 237-5929

DESCRIPTION: The firm was founded in 1979 in Calgary and incorporated in Alberta in the same year. The company specializes in the fields of sedimentology, stratigraphy, reservoir geology, in-house courses and seminars and petroleum exploration. The sphere of operation is on a national and international scale. The company applies the latest geological concepts and uses the latest equipment in carrying out the technical work.

OTHER FOREIGN OFFICES: Denver, Colorado; Crail, Scotland

SUBSIDIARY INFORMATION: Shawa Geoconsultants Internation Inc., Denver, Colorado.

AFFILIATES: St. Andrews Geological Enterprises Ltd., Crail, Scotland.

SHAWINIGAN INTEG INC.

H. Goldman, Chairman
I.L.M. Walker, President
N.D. Ratledge, Executive Vice President

HEAD OFFICE:
1100, 1140 West Pender Street
Vancouver, British Columbia V6E 4G1
(604) 682-7841

ALBERTA OFFICES:
15th Floor
9803 - 102 A Avenue
Edmonton, Alberta T5J 3A3
(403) 428-6456 TLX/TWX 037-2988

DESCRIPTION: Shawinigan Integ Inc., formed in 1985, with head office in Vancouver, branch offices in Alberta, Saskatchewan, Ontario and Jakarta, Indonesia, is a wholly Canadian owned professional organization, one of the Lavalin Group of companies. It comprises the staff and resources of Ebasco Services of Canada Ltd., Shawinigan Energy Consultants Ltd. and INTEG- Intercontinental Engineering Ltd. Shawinigan Integ provides electrical utilities, the pulp and paper industry and other industries in Canada and internationally with a wide range of engineering and related services in the fields of thermal power generation, combined cycle generation, steam production for industrial applications, power distribution, pollution control systems, energy management, cogeneration, fluidized bed combustion, fuel processing, fuel conversions and energy from wastes, high and low voltage power transmission systems, substations, hydro electric generation. Services provided consist of technical and economic feasibility studies, project definition and related studies, site selection, project finance assistance, detailed design and engineering, procurement, inspection and expediting, planning and scheduling, cost estimating and control, total project management, construction management, commissioning, training and knowledge transfer.

SPECIAL SERVICES: Shawinigan Integ Inc., being one of the Lavalin Group of companies, has the capabilities and resources to combine expertise with other Lavalin companies, for provision of the best possible technical knowledge and experience.

OTHER CANADIAN OFFICES: Toronto, Ontario; Regina, Saskatchewan.

OTHER FOREIGN OFFICES: Jakarta, Indonesia.

SHELBY ENGINEERING LTD.

Gordon G. Hunter, President
James P. Dooban, Secretary
Ken Ito, Vice President

HEAD OFFICE:
9632 - 54 Avenue
Edmonton, Alberta T6E 5V1
(403) 438-2540

DESCRIPTION: Shelby Engineering Ltd. was founded 1982 and offers professional engineering services in the fields of geotechnical engineering and materials testing and inspection. Both the geotechnical engineering services and materials testing services are offered to many civil engineering projects such as buildings, roadways, runways, dams, dykes, retaining structures. Shelby Engineering Ltd. is a CSA certified company offering services throughout Alberta.

SHERREX SYSTEMS LIMITED

Wayne Sherrard, President
Alan Johnson, General Manager

HEAD OFFICE:
4196 - 93 Street
Edmonton, Alberta T6E 5P5
(403) 462-4085

DESCRIPTION: Firm was formed in April, 1980. Current office includes manufacturing and testing areas. Our services include consulting, design, testing and manufacture of specialized digital/analog electronic products for industrial applications. Our specialty is microprocessor controlled equipment and industrial fiber optic communications. Included in our scope of activity is instrumentation products, system troubleshooting and serviceability consulting.

SPECIAL SERVICES: Microprocessor controlled products, Fiber Optic Communications.

SHEWAN PETROLEUM ENGINEERING LTD.

Kenneth A. Shewan, President
Wanda J. Shewan, Secretary-Treasurer

HEAD OFFICE:
605 First Alberta Place
777 - 8th Avenue S.W.
Calgary, Alberta T2P 3R5
(403) 264-5157

ALBERTA OFFICES:
Box 11, Site 8, RR#1
Priddis, Alberta T0L 1W0

DESCRIPTION: The firm was formed in early 1984 and incorporated later the same year. The main scope of the business was to offer general Petroleum Engineering services to small oil and gas companies. Services offered include: reservoir evaluations of oil and gas properties; optimization studies of existing oil and gas production; economic evaluations on a project or corporate basis; joint interest negotiations; production management; and in-house supervision of shallow drilling and completion operations.

SHUMBORSKI ENGINEERING LTD.

Steven Shumborski, President
Patricia Shumborski, Secretary-Treasurer

HEAD OFFICE:
313, 10545 Saskatchewan Drive
Edmonton, Alberta T6E 6C6
(403) 432-9489

DESCRIPTION: Shumborski Engineering was formed in 1985 by Patricia and Steven Shumborski. Services offered include preparation of QIA manuals, implementation of QIA systems, quality program audits, shop audits, writing material specifications, preparing welding procedures, welding inspection.

D.L. SIEMENS EXPLORATIONS LTD.

D.L. Siemens, President

HEAD OFFICE:
2503 - 34th Avenue N.W.
Calgary, Alberta T2L 0V4
(403) 282-1177

DESCRIPTION: Initiated in 1969 in Calgary. Primary functions have been oil and gas appraisals, project supervision, geological research and subsurface studies.

SUBSIDIARY INFORMATION: D.L. Siemens Inc., 2503 - 34th Avenue N.W., Calgary, Alberta T2L 0V4, USA oil and gas geological appraisals.

P. SIEMENS ENGINEERING SERVICES LTD.

Peter K. Siemens, President

HEAD OFFICE:
10710A - 176 Street
Edmonton, Alberta T5S 1G7
(403) 489-1101

DESCRIPTION: The firm was incorporated in 1980 in Edmonton. The company offers services to municipal and government agencies related to water distribution and treatment, sewage collection and treatment, transportation and to the private sector of land developers.

SIGNET ENGINEERING LTD.

Gordon Checkn[illegible] President

HEAD OFFICE:
87 Hawkhill Way N.W.
Calgary, Alberta T3G 2H7
(403) 239-0125

DESCRIPTION: Signet Engineering Ltd. was formed in Calgary and incorporated in Alberta in 1983. The company provided engineering consulting, design and software for the cable television, broadband data and communications industry.

SIMCOR PETROLEUM APPLICATIONS LTD.

W.S. Grigel, President
J.W. Serra, Manager of Engineering
M.P. Raleigh, Staff Engineer
I.V. Beck, Senior Engineer

HEAD OFFICE:
1620, 300 - 5th Avenue S.W.
Calgary, Alberta T2P 3C4
(403) 262-5181 TLX/TWX
03-826896

DESCRIPTION: ECL-Simcor Petroleum applications Ltd. was formed and incorporated in Alberta in 1985. ECL-Simcor provides high quality consulting services in reservoir engineering, production geology, petrophysics and production engineering. Its engineering and geological staff specialize in reservoir simulation and EOR technical audits. Our staff markets and supports the software products developed by Exploration Consultants Limited in North, Central and South America. Reservoir simulation is done utilizing ECLIPSE, the world's foremost simulator. The extreme reliability and ease-of-use of the model enables ECL-Simcor to offer the most cost-competitive, high quality consulting services available, with a strong commitment to honour project budgets. With its experienced staff, its complement of software tools, and its in-house computing facilities, ECL-Simcor is uniquely positioned to provide very cost-effective and high quality EOR technical audits for production companies or financial institutions.

SIMIN EXPLORATION CONSULTANTS LTD.

Dina Simin, President

HEAD OFFICE:
504, 630 - 8th Avenue S.W.
Calgary, Alberta T2P 1G6
(403) 269-7813

DESCRIPTION: The firm was formed in Calgary and incorporated in Alberta in 1978. Services include field supervision of seismic crews, supervision of processing of seismic data, regional and detail geological-seismic interpretation, basin and prospect evaluation.

SIMMONS ENGINEERING LTD.

S. Li, President

HEAD OFFICE:
3920 - 54 Street
Edmonton, Alberta T6L 1P2
(403) 463-0597

SIMTECH CONSULTING SERVICES LTD.

A. Settari, President
P.J. Puchyr, Vice President

HEAD OFFICE:
Suite 2005, Bow Valley Square 2
205 Fifth Avenue S.W.
Calgary, Alberta T2P 2V7
(403) 262-4885 TLX/TWX
038-26675

DESCRIPTION: Simtech was formed in February, 1982 by Dr. A. Settari as a privately held Alberta corporation, and is 100% Canadian owned and controlled. The company specializes in computer software development for reservoir and production engineering areas and in the application of these tools. Simtech currently employs experienced reservoir and production engineers who can perform integrated petroleum engineering studies including primary, secondary, and EOR production forecasts and evaluations. Production activities are centered around optimal design of hydraulic fracturing and acidizing treatments.

SPECIAL SERVICES: Software development, research and development consulting, engineering consulting and studies, and support of software.

SINGLETON ASSOCIATED ENGINEERING LTD.

Barry Singleton, P.Eng., President
Bryan Singleton, P.Eng., Vice-President
Lyal Singleton, General Manager

HEAD OFFICE:
Suite 207 Crowchild Square
5403 Crowchild Trail N.W.
Calgary, Alberta T3B 4Z1
(403) 286-3221

DESCRIPTION: Singleton Associated Engineering Ltd. (Singleton) is a 100% Canadian owned Calgary-based consulting firm which was incorporated in Alberta in 1979. Professional consulting services are offered in the areas of project development; economic and environmental assessment; pipeline engineering and facilities design; construction planning; and project costing, control management. Specializing in pipelines and related facilities, the company is prepared to handle complete project from the initial feasibility stage through to construction inspection and system start-up. In 1986, an affiliated company, SAEL Inspection Ltd. (SAEL) was activated to offer construction supervision and inspection services to the oil and gas industry. Presently, the engineering and project management services are streamlined through SINGLETON while the construction supervision and inspection services are provided through SAEL. Brochure available.

SPECIAL SERVICES: Services offered include energy market surveys, feasibility studies, pipeline routing, right-of-way/pipeline design, cost estimating, project logistics, construction planning and scheduling, environmental impact studies, liaison with regulatory bodies, construction permit applications and project control functions. In addition, SAEL Inspection Ltd. offers construction supervision, pipeline construction inspection, pump and compressor station inspection and materials procurement services.

SUBSIDIARY INFORMATION: SAEL Inspection Ltd., Suite 207 Crowchild Square, 5403 Crowchild Trail N.W., Calgary, Alberta T3B 4Z1, construction supervision, pipeline construction inspection, pump & compressor station inspection, materials procurement services.

AFFILIATES: Gor Mac Consulting Services, Gordon McIntosh, Toronto, Ontario. Hicklin Environmental Services Limited, Hugh Hicklin, Calgary, Alberta.

SKM CONSULTING LTD.

K.C. Milne, President
S. Kotyk, Secretary
R.S. Geddes, Treasurer
G.C. Kingsep, Principal

HEAD OFFICE:
#102, 540 - 12 Avenue S.W.
Calgary, Alberta T2R 0H4
(403) 233-9400

DESCRIPTION: Incorporated in the Province of Alberta. Offers services to the petroleum, natural gas, petrochemical and related industries. Over 100 years of applicable experience. Services include: Feasibility studies; Economic, Financial & Cost Benefit analysis; Definition of project requirements; Preparation of submissions to regulatory authorities; Development of costs and schedules; Preparation of requirements for contracts; Process and Mechanical design; Construction management; Construction inspection; Technical assistance & advisory services; Environmental impact studies; Instructional courses.

SKY ENGINEERING LTD.

Steven Chu, President

HEAD OFFICE:
400 West Tower
14310 - 111 Avenue
Edmonton, Alberta T5M 3Z7
(403) 451-9106

DESCRIPTION: The firm was incorporated in Edmonton, Alberta in 1981. The firm provides general electrical engineering services in commercial, constitutional and industrial areas. Specialized services are offered in relay protection, investigation, power system study and system automation.

SPECIAL SERVICES: Electrical system control and protection.

A. EDWARD SMITH & ASSOCIATES LTD.

A. Edward Smith, President

HEAD OFFICE:
2508 Charlebois Drive N.W.
Calgary, Alberta T2L 0T6
(403) 289-6595

DESCRIPTION: The firm was incorporated in Alberta in 1971 in order to provide structural engineering services to the building construction industry. Primary areas of expertise include commercial and residential structures. Extensive services are also provided in the area of computerized drafting and design (CADD).

J.A. SMITH & ASSOCIATES LTD.

James A. Smith, President
A.L. Smith, Vice President

HEAD OFFICE:
#13, 6120 - 3rd Street S.E.
Calgary, Alberta T2H 1K4
(403) 253-4423

ALBERTA OFFICES:
#1, 7883 - 50th Avenue
Red Deer, Alberta T4P 1M8

DESCRIPTION: The firm was formed in Calgary in 1970. A branch office was opened in Red Deer in 1980. The company was incorporated in Alberta in 1972. Principal services in civil engineering, geotechnical, material testing, surveying, environmental, project management. Testing laboratories at Calgary and Red Deer.

L.A. SMITH CONSULTING & DEVELOPMENT LTD.

Lesley A. Smith, President
Carol Smith, Secretary-Treasurer

HEAD OFFICE:
506, 609 - 14th Street N.W.
Calgary, Alberta T2N 2A1
(403) 270-3254

DESCRIPTION: The firm was incorporated in Alberta in 1981 to provide geological services to the coal industry. Since that time the activities and services have expanded to include reserve audits, property financial analyses, the geology and reserve portion of coal feasibility studies, the discovery and evaluation of industrial mineral deposits and resource allocation studies.

SNC CONSULTANTS LTD.

J.P. Gourdeau, Chairman and CEO
A. Taylor, President and COO
G.R. Gerry, Vice President and General Manager, Western Canada
W.R. McMillan, Manager, Edmonton Operations
D.I. MacIntyre, Manager, Lethbridge Operations
J. Martin, Manager, Calgary Operations

HEAD OFFICE:
1 Complexe Desjardins
Montreal, Quebec H5B 1C8
(514) 282-9551

ALBERTA OFFICES:
10130 - 103 Street
Edmonton, Alberta T5J 3N9
(403) 422-6288 TLX/TWX
037-3428

100, 6712 Fisher Street S.E.
Calgary, Alberta T2H 2A7

1410 Mayor Magrath Drive South
Lethbridge, Alberta T1K 2R3

DESCRIPTION: The SNC Group is a Canadian engineering and construction company providing project management, engineering, procurement, construction and commissioning services worldwide. It is also a manufacturer of defense products and a developer and operator of new business ventures. Founded in 1911, SNC ranks among the world's top ten engineering design firms. The SNC Group Inc. is made up of 26 subsidiary and associated companies, each representing a specific technology base or geographic region. SNC's Alberta offices in Edmonton, Calgary, and Lethbridge offer the full range of services provided by the Group. SNC Consultants Ltd. was incorporated in Edmonton in 1974. Calgary is the corporate headquarters for the Group's chemical and petroleum based companies, including gas processing, offshore technology and process equipment. The Lethbridge office is the center for the SNC Group's irrigation and drainage product.

SPECIAL SERVICES: The SNC Group is a Canadian public company. It is majority owned and controlled by its employees. SNC received approximately 60% of its revenues from services abroad and has been a leader in the export of Canadian manufactured goods.

OTHER CANADIAN OFFICES: Toronto, Saskatoon, Vancouver, Niagara Falls, Victoriaville, Quebec City.

OTHER FOREIGN OFFICES: Chattanooga, Atlanta, Orlando, Raleigh, Niagara Falls, and Albany, USA; Lima, Peru; Caracus, Venezula; London, England; Paris, France; Tunis, Tunisia.

SUBSIDIARY INFORMATION: 1. SNC Consultants Ltd. Edmonton, comprehensive services in Western Canada. 2. SNC/FW Ltd. Calgary, EPC services for the chemical and petroleum industries. 3. SNC/FW Fired Heaters Ltd., Calgary, contracting for fired heaters. 4. SNC/Aker Offshore Inc., Calgary, offshore installations in the oil and gas industry. 5. SNC Inc. founder and main operating company of the SNC Group and one of Canada's leading engineer- constructors, providing comprehensive services in project management, engineering, procurement, construction and commissioning. 6. SNC Defense Products Inc. defence manufacturing. 7. SNC Hydro Inc., minihydro venture projects in the United States. 8. SNC International Ltd., international marketing. 9. SNC Ltd., comprehensive services in the United States. 10. SNC (Nigeria) Ltd., comprehensive services in Nigeria. 11. SNC (S.A.) Inc., special products. 12. SNC Services Ltd., engineer/procure/construct projects. 13. SNC (U.K.) Ltd., comprehensive services in Great Britain. 14. DGB Consultants Inc., systems engineering and telecommunications. 15. Fimtech Inc., computer-based property and equipment mapping and management for utility companies. 16. Hensley-Schmidt, Inc., engineering, environmental control services and transportation studies from southeastern U.S. headquarters. 17. IVI Inc. & Canadian Arsenals Limited, manufacturers of ammunition. 18. London Nuclear Limited, radiation waste clean-up services in Canada. 19. London Nuclear Services, Inc., radiation waste clean-up services in the U.S. 20. Reprotech Ltd., printing and reproduction. 21. Securiplex Systems Inc., design and manufacture of fire and damage control systems and equipment. 22. The SNC Corporation, comprehensive services in the U.S. 23. W.P. London and Associates Limited, comprehensive engineering-construction services in central Canada.

AFFILIATES: Aunore Resources Inc., mineral exploration, development, production and marketing. Biodev International Inc., biomass power plants. CAPG Canadian Atlantic Power Group Ltd., engineering and project management for tidal power projects. CIPM Canadian International Project Managers Ltd., hydroelectric projects in China. Canatom Inc., nuclear power, heavy water and hydrogen technology. Canatrans Inc., guided ground transport systems. Disque Americ Inc., manufacturers of compact discs. Elinca Communications Limited, turnkey telecommunications projects. Himalayan Power Consultants, engineering and project management for projects in Himalayan countries. NPM Nuclear Project Managers Canada Inc., project and construction managers for the nuclear industry. Petro-Sun International Ltd., design and manufacture of equipment for alternative energy systems. Sandwell Swan Wooster, comprehensive services in Venezuela. STER, comprehensive services in Tunisia. Le Telegroupe Cablon Inc., services and equipment for the cablevision industry.

SNC/FW LTD.

T. Alepian, President & C.E.O.
P. Cox, Regional V.P. - Business Development
S. El Guindi, General Manager

HEAD OFFICE:
100, 6712 Fisher Street S.E.
Calgary, Alberta T2H 2A7
(403) 253-6641 TLX/TWX
03827746

ALBERTA OFFICES:
10130 - 103rd Street
Edmonton, Alberta T5J 3N9

DESCRIPTION: SNC/FW Ltd. was incorporated in 1976 for the purpose of undertaking engineering, procurement, and construction projects in the petroleum and petrochemical industries in Canada. The company is backed by the full resources of its parent companies; The SNC Group, one of the largest Canadian engineering organizations, and Foster Wheeler, a world leader in the design and construction of process plants. The corporate headquarters are located in Calgary, with branch offices in several other Canadian cities.

SPECIAL SERVICES: Through this SNC controlled company, we have complete access to the total expertise, systems and procedures of both SNC and Foster Wheeler.

OTHER CANADIAN OFFICES: Saskatoon, Saskatchewan; Vancouver, B.C.; Montreal, Quebec; Toronto, Ontario.

SNELL & OSLUND SURVEYS (1979) LTD.

Gillis Oslund, ALS, P.Eng., President
Ralph Bunting, ALS, Secretary

HEAD OFFICE:
4826 - 47 Street
P.O. Box 610
Red Deer, Alberta T4N 5G6
(403) 342-1255

DESCRIPTION: Legal and construction survey firm started as partnership in 1959. Firm mainly active in Legal Surveys, Construction Surveys, Oilfield related Surveys, Processing and documentation of plans and land management and planning in the Province of Alberta.

SPECIAL SERVICES: Specialists in Industrial Layout and Control.

SNIHUR CONSULTING LTD.

Dwayne M. Snihur, President

HEAD OFFICE:
10158 - 116 Street
Edmonton, Alberta T5K 1V9
(403) 488-1521

DESCRIPTION: Snihur Consulting Ltd. is a consulting engineering practice incorporated in 1979 specializing in structural engineering, industrial building design and prime consulting for medium and small buildings. Additional services include construction supervision, investigation reports and analysis of existing structures. The firm has been commissioned to design projects as small as residential garage foundations to projects as large as a twin tower office complex. Northern projects in Tuktoyuktuk and Old Crow have also been undertaken. All projects are designed with the most economic solution as the determining factor for the structural type. The following systems have been used: steel, cast in place concrete, precast concrete, post-tensioned concrete and wood. The principal is an active member in the firm and devotes his direct and personal attention to all projects.

SPECIAL SERVICES: Professional registration in Alberta, British Columbia, Northwest Territories and the Yukon Territories.

SOLAR ENGINEERING GROUP LTD.

Nabil T. Mansour, P. Eng., President

HEAD OFFICE:
Box 923, Station 'M'
Calgary, Alberta T2P 2J6
(403) 270-7100

DESCRIPTION: Incorporated in 1978 for the purpose of providing mechanical and electrical design services, this dynamic firm believes in giving quality and in depth services to its clients. As the name implies, we have a commitment to energy conservation and management and an expertise in solar design. Projects range from solar greenhouses, feasibility studies, research and development to commercial and institutional projects.

J.D. SONS & ASSOCIATES MANAGEMENT LTD.

John D. Godfrey, President

HEAD OFFICE:
8208 - 139 Street
Edmonton, Alberta T5R 0G4
(403) 483-4883

DESCRIPTION: The firm was formed and incorporated in Edmonton, Alberta in March, 1978. The company offers services in resource research, exploration, property evaluation and development, ranging from metallic to non-metallic minerals. Special skills are available in air photograph interpretation as applied to terrain analysis (transportation and utility corridors) and surficial materials inventory (especially in the search for sand and gravel deposits). Educational/training opportunities are offered privately and through university in prospecting and related courses. Interpretive planning and design is undertaken for public parks, museums, and interpretive centres.

SPECIAL SERVICES: Air photograph interpretation.

SUBSIDIARY INFORMATION: Godfrey Tours Ltd., 8208 - 139 Street, Edmonton, Alberta T5R 0G4, conducts interpretive and educational tours; both domestic and international destinations.

SOUTHERN LAND DRAINAGE INC.

Richard T. Stasiak, M.Sc., P.Eng., President

HEAD OFFICE:
40 Bermondsey Way N.W.
Calgary, Alberta T3K 1V4
(403) 275-9431

DESCRIPTION: Southern Land Drainage was formed in February of 1984. An office was opened in Calgary as well as overseas in Peshawar, Pakistan. The firm provides expertise in feasibility, reports, design and construction management services in the water resource field. Specialized services are offered in the area of irrigation, farm drainage and salinity control.

OTHER FOREIGN OFFICES: Box 775, Peshawar, Pakistan

SOUTHLAND ENGINEERING LTD.

Rod Constable, P.Eng., President

HEAD OFFICE:
625 - 32 Street North
Lethbridge, Alberta T1H 5H5
(403) 320-8432

DESCRIPTION: Southland Engineering Ltd. was incorporated in 1980. The firm specializes in the design of Agricultural buildings and small to medium sized Commercial and Industrial buildings. Recreational and Community Service buildings are of special interest. Services provided include structural and foundation design, along with mechanical, electrical and site development. On site supervision of structural work is also provided. Soils evaluation and architectural design is provided by other consultants as required.

SPRATT CONSULTING SERVICES LTD.

Douglas K. Spratt, President

HEAD OFFICE:
202, 10712 - 100 Street
Grande Prairie, Alberta T8V 3X8
(403) 539-1950

DESCRIPTION: Incorporated in 1985, this company offers full mechanical engineering services. From its office in Grande Prairie, professional engineering services have been provided to industry, business and institutions in the Peace River Country. Specialized services include: (1) heating, ventilating and air-conditioning design and inspection; (2) plumbing design and inspection; (3) fire supression systems design; (4) controls design, including software programming; (4) facility evaluations and energy audits; (5) commissioning; and (6) indoor air quality investigations. The firm uses computer engineering software for their calculations.

SPRINGFIELD CONSULTING LTD.

Michael Cholach, President

HEAD OFFICE:
12 Arb Close
Red Deer, Alberta T4R 1E8
(403) 347-5003

DESCRIPTION: Incorporated as a one-man consulting business in 1974 offering mineral and coal services. Oilfield drilling geology and supervision services were the main areas of activities during 1983 to present.

SPROULE ASSOCIATES LIMITED

N.A. Cleland, President
C.A.S. Bulmer, Vice President
E.J. Miller, Treasurer
J.E. Powell, Secretary & Director
R. Cech, Director
J.G. Robinson, Director
K.H. Crowther, Director
H.M. Kapil, Director

HEAD OFFICE:
Suite 900, North Tower, Sun Life Plaza
140 - 4th Avenue S.W.
Calgary, Alberta T2P 3N3
(403) 269-7951 Telex 03-821550

DESCRIPTION: Sproule Associates Limited is an expansion of J.C. Sproule and Associates Ltd., a consulting practice established in 195 by the late Dr. J.C. Sproule. In 1970, after the death of Dr. Sproule, the firm was purchased from the Sproule Estate by the senior staff of the firm. The name of the firm was changed to Sproule Associates Limited in 1974. The company provides world-wide geological and engineering services to the petroleum industry. Services include oil and gas reserves determinations, property and company evaluations, subsurface geological analyses, exploration geology, reservoir geology, local and regional geological studies, petroleum engineering services, feasibility studies, consultation on exploration and development, management of oil and gas companies and properties, and advice on petroleum investments. Special services are offered in the area of coal geology, field surveys, photogeological interpretations and unproven oil and gas property evaluations.

STANLEY ASSOCIATES ENGINEERING LTD.

Dr. Donald R. Stanley, Chairman of the Board
R.P. Triffo, President
D.D. Mears, Executive Vice President
F.W. Grigel, Senior Vice-President, Southern Region
F.J. Dusel, Vice-President
B.E. Novak, Vice-President
G.O. Hazlett, Vice-President, Finance

HEAD OFFICE:
10512 - 169 Street
Edmonton, Alberta T5P 3X6
(403) 483-4777 TLX/TWX
037-41432

ALBERTA OFFICES:
2633 - 37 Avenue N.E.
Calgary, Alberta T1Y 5V7
(403) 291-2100

Bay E, 226 Gregoire Drive
Fort McMurray, Alberta T9H 1M5

9917 - 44 Street
Grande Prairie, Alberta T8V 1V5

#B433 Sandman Inn
Mayor Magrath Drive
Lethbridge, Alberta T1J 3L8

#302, 4813 - 47 Street
Red Deer, Alberta T4N 1R3

DESCRIPTION: Stanley Associates Engineering Ltd. is an Alberta based engineering consulting firm formed in 1954 by Dr. D.R. Stanley and employs approximately 500 personnel in Western and Northern Canada and overseas. Over the firm's 32 year business life, the Stanley organization has provided planning, design and construction engineering services to virtually all levels of industries, including the petroleum, petrochemical, coal, electrical power, agriculture, pulp and paper, manufacturing, land development, railroad and commercial development industries.

SPECIAL SERVICES: Recipient of the Canada Export Award in 1984. This award is presented to those firms which contribute to the exporting of Canadian goods and services overseas. Of the 14 companies presented, Stanley was the only engineering consulting firm recognized. Export Achievment Awards - 1981, 1982, 1983 - presented to Stanley Associates Eng. Ltd. for distinguished achievement in international marketing by the Province of Alberta. Recipient of an Award for Engineering Excellence sponsored by the Canadian Consulting Engineer Magazine and the Association of Consulting Engineers of Canada.

OTHER CANADIAN OFFICES: Vancouver, Victoria, Kamloops, Kelowna, Cranbrook - B.C.; Regina, Saskatoon, Lloydminster - Saskatchewan; Whitehorse, Yukon; Yellowknife, N.W.T.

OTHER FOREIGN OFFICES: Barbados, Iraq, Malaysia, South Korea, Trinidad and Tobago, Malawi, Zambia, St. Lucia.

SUBSIDIARY INFORMATION: Stanley International Limited, offshore engineering; Stanley Industrial Consultants Ltd., industrial engineering; Stanley Alaska Inc., northern engineering; Cheriton Engineering Inc., mechanical and electrical consultants; Envirometrics Canada (1981) Ltd., commissioning and balancing agents for heating and ventilating systems; Accu-Test Electrical Services Ltd., electrical systems testing; Canadian Agricultural Consultants Ltd., agricultural consultants; Beak Associates Consulting Ltd. environmental consulting; IMC Management Consultants Inc., management/economic studies and computer systems.

AFFILIATES: Pavement Management Systems Limited; Pavement Management Consultants; Stanley - C.D. Howe Associates, materials handling, terminals and product facilities; Hydrowest Consultants Inc.; Hydro Power Consultants; Vanstar Construction Project Management Ltd., construction management.

STATUS ENGINEERING ASSOCIATES LTD.

Jack P. Donhuysen, President & General Manager

HEAD OFFICE:
200, 1207 - 11 Avenue S.W.
Calgary, Alberta T3C 0M5
(403) 245-4462

DESCRIPTION: Construction through from drilling, completions, reservoir analysis, installation of field equipment, geology and geophysics.

STEARNS CATALYTIC LTD.

L.L. Phannenstiel, Chairman & President
A.W. Mellen, Director
J.E. Miller, Director & Senior Vice President
R.A. Scott, Director & Vice President
J.A.H. van Biesen, Director, Vice President
J.J. Kaminski, Vice President
P.C. Morgan, Director & Vice President
R.D. Barclay, Assistant-Treasurer
W.D. Brown, Secretary
C.P. Powell, Assistant-Secretary
L.A. Sonzogni, Assistant-Secretary
R.D. Wilson, Assistant-Secretary
J. Rand, Assistant-Secretary

HEAD OFFICE:
200, 10333 Southport Road S.W.
Box 5276, Station A
Calgary, Alberta T2H 2N2
(403) 258-4700 TLX/TWX
03-821581

ALBERTA OFFICES:
8660 - 61 Avenue
Edmonton, Alberta T6E 5P6

P.O. Box 2307
Slave Lake, Alberta T0G 2A0

DESCRIPTION: The company provides engineering, procurement, construction, maintenance and tool and equipment supply services to Canada's process industries. It was formed in 1982 by the merger of Stearns-Roger Ltd. and Catalytic Enterprises Limited, which were both established in Canada in the early 1950's, and is a wholly owned subsidiary of Air Products & Chemicals Inc. of Allentown, Pennsylvania. The company offers the overall resources and capabilities needed to handle projects in the areas of: natural gas processing; petroleum refining, mineral processing; conventional and frontier oil processing; oil sands and heavy oil recovery/upgrading; chemicals; thermal power; petrochemicals; synthetic fuels; food processing; clean room design.

SPECIAL SERVICES: Maintenance by contract.

OTHER CANADIAN OFFICES: Sarnia, Ontario; Montreal, Quebec; Gentilly, Quebec.

OTHER FOREIGN OFFICES: Denver, Philadelphia, Charlotte, San Jose, U.S.A.; London, U.K.; Adelaide, Australia

SUBSIDIARY INFORMATION: Air Products and Chemicals Inc., 2090 Steeles Avenue, Brampton, Ont. L6T 1A7 - industrial gas supply; Air Products, 7905 - 51st Street S.E., Calgary, Alberta T2C 2Z3 - industrial gas supply.

AFFILIATES: Stearns Catalytic World Corp., 4500 Cherry Creek Drive, Denver, Colorado, U.S.A. 80217 - engineering, procurement, construction, maintenance services.

STEBNICKI CASSIE & ASSOCIATES LTD.

G.F. Stebnicki, President
G.J. Cassie, Secretary

HEAD OFFICE:
1057 - 20th Avenue N.W.
Calgary, Alberta T2M 1E7
(403) 284-3313

DESCRIPTION: A merger of two previous firms. G.F. Stebnicki and Associates Ltd. formed in 1977 and G.I. Cassie and Associates formed in 1978. The firm of Stebnicki Cassie offer consulting electrical engineering services for a wide range of building types. Extensive experience is offered in design of commercial and institutional buildings. The firm offers complete systems design of all electrical building systems. System evaluation and special lighting design services are available. The office employs a CADD system to enhance production and to provide record drawing services.

SPECIAL SERVICES: Lighting design, daylight studies, record drawings on CADD, fire alarm verification.

RUSS STEELE CONSULTING LTD.

R.E. Steele, President
H.L. Steele, Secretary-Treasurer

HEAD OFFICE:
#309, 300 Meredith Road N.E.
Calgary, Alberta T2E 7A8
(403) 230-1439

DESCRIPTION: The company was incorporated in Alberta in 1975. Services in geophysics related to oil exploration. Specialized services are offered in the interpretation of geophysical data.

STEINBRENNER CONSULTANTS LTD.

Harold F. Steinbrenner, President

HEAD OFFICE:
#203, 8407 Argyll Road
Edmonton, Alberta T6C 4B2
(403) 465-9888

DESCRIPTION: The firm was incorporated in 1979. Services provided include the engineering of institutional, industrial and commercial building mechanical systems including heating, ventilating, air conditioning, fire protection, plumbing, and HVAC control systems. Specialized services include energy management, systems evaluations, operating and maintenance procedures, and systems commissioning.

STEPHEN'S WELL SITE CONSULTING LTD.

Robert E. Stephens, President

HEAD OFFICE:
511 - 10th Street S.W.
Calgary, Alberta T2P 2B8
(403) 233-7889

DESCRIPTION: The firm was formed in Calgary and incorporated in Alberta in 1980. Services include well site geology and mud logging. Special services involve computer applications to both. The mud logging is automated and the stratigraphic and mud logs computer drafted. All field data is digitized for modem transmission.

SPECIAL SERVICES: R.E. Stephens has 15 years experience as a well site geologist (often including the use of gas detectors) in the Western Canadian sedimentary basin. Foothills & Mackenzie Delta experience are especially strong.

STEWART'S DETAILED STRATIGRAPHY LTD.

Donald Peter Stewart, President

HEAD OFFICE:
715 Canterbury Drive S.W.
Calgary, Alberta T2W 1T3
(403) 281-4425

DESCRIPTION: In 1979 Don Stewart began by offering a stratigraphic service to the oil industry, and in 1980 the firm of Stewart's Detailed Stratigraphy Ltd. was incorporated with an office in Calgary. The company offers a detailed stratigraphic service, data being derived from the examination of drill cuttings and cores. Maps illustrating ancient patterns of sedimentation (frequently paleobathymetry in addition to facies), diagenesis and consequent reservoir potential are drawn as requested by the client. To date most of the work has been done with carbonates.

STEWART, WEIR & CO.

C.H. Weir, Sr.-Partner and CEO
R.J. Watson, Partner, Supervisor
B.J. Dixon, Partner, Survey Manager
R.F. Andrews, Partner, Engineering Manager
J.G. Sumyk, Partner, Assistant Eng. Manager
R. McGaffin, Partner, Field Operations Manager
A. Reczka, Partner, Assistant Survey Manager

HEAD OFFICE:
11405 - 163 Street
Edmonton, Alberta T5M 3Y3
(403) 451-6465 TLX/TWX
037-41399 F.I.G./S.W.C.

ALBERTA OFFICES:
203, 735 - 12 Avenue S.W.
Calgary, Alberta T2R 1J7
(403) 245-4575

5010 - 3rd Avenue
Edson, Alberta T0E 0P0

DESCRIPTION: Stewart, Weir & Co. is a wholly owned Alberta partnership since 1951, successor to a firm known as Stewart, Pringle which was formed in 1912. Since that time, Stewart, Weir & Co. has grown into a multi-disciplinary organization offering professional services in land surveying, municipal and transportation engineering, planning, real estate appraisal and land services. Based in Edmonton, with branch offices throughout Alberta and the Northwest Territories, Stewart, Weir & Co. provides its services to federal, provincial and municipal government departments and agencies, utility companies, the oil and gas industry, land developers and various organizations in the private sector. The Stewart, Weir Group employs a qualified staff of more than one hundred and thirty persons.

OTHER CANADIAN OFFICES: Yellowknife, Northwest Territories.

AFFILIATES: Stewart, Weir, MacDonald, P.O. Box 1597, Yellowknife, NWT X1A 2P2 Stewart, Weir Land Data Inc. (formerly T & S Topographic Services Ltd.), 11411- 163 Street, Edmonton, Alberta T5M 3Y3.

STRATHCONA ENGINEERING LTD.

Peter Schneider, President
Greg Hanson, Manager of Construction
Blake Gramb, Manager of Procurement
Helen Browne, Manager of Finance

HEAD OFFICE:
9055 - CI - 90 Street
Edmonton, Alberta T6C 3L8
(403) 465-5888

ALBERTA OFFICES:
Box 1054-CI, Station M
Calgary, Alberta T2P 2K4

DESCRIPTION: Strathcona Engineering Ltd. was formed and incorporated in Alberta in 1983 with the head office in Edmonton. SEL offers services from the feasibility study to the commissioning of a project. These services include marketing, R. & D., specifications and design, quantity surveying, estimating, cost and scheduling, preparation of contract documents and subsequent evaluation, construction management including supervision and inspection, and project management for the petro-chemical industry (oil, gas & oilsands), and the environmental areas (water supply and waste water collection and treatment, solid waste and hazardous waste processing).

SPECIAL SERVICES: Engineer, procure, construct, & operate incineration and pyrolysis units to process. Solid waste to recover energy or materials, or hazardous waste to environmentally acceptable by-products.

AFFILIATES: TWL Thermolux West Ltd., Box 11844, Edmonton, Alberta T5J 3K9, resource recovery from solid wastes by incineration or pyrolysis.

STRAUS ENGINEERING LTD.

Douglas J. Straus, P.Eng., President
Frances M. Straus, Secretary-Treasurer

HEAD OFFICE:
221 Varsity Estates Mews N.W.
Calgary, Alberta T3B 3C9
(403) 286-1351

DESCRIPTION: Straus Engineering Ltd. was formed in 1984 and provides expert consulting services in the areas of petroleum reservoir engineering, property evaluations and regulatory applications. Freelance engineering services are also provided on the clients' premises.

RUDOLF STROEMER ENGINEERING LTD.

Rudolf Stroemer, P.Eng., President

HEAD OFFICE:
2419 Usher Road N.W.
Calgary, Alberta T2N 4E2
(403) 289-9063

DESCRIPTION: The company was formed in 1984 in Calgary and incorporated in Alberta in the same year. It offers electrical engineering services to the industry.

SPECIAL SERVICES: Drive technology, especially large electrical variable speed drives, system studies, harmonic effects and filter design.

M. STRZELECKI CONSULTING ENGINEERS LTD.

M. Strzelecki, P.Eng., President

HEAD OFFICE:
11305 - 100 Avenue
Edmonton, Alberta T5K 0J3
(403) 488-3988

DESCRIPTION: The firm was formed in 1962 in Edmonton under the name of M. Strzelecki, Structural Engineer. In 1966 the firm was incorporated in Alberta under the present name. The firm provides structural engineering services to architects, governments, industrial clients, legal profession and others on a variety of structures. Services include any type of building structures and foundations, commercial and industrial buildings, structural inspections and evaluations; planning and design of moving picture theatres and drive-in theatres. When acting as a prime consultant, the company engages consultants specialized in architectural, geotechnical, technical and electrical fields.

SUMMUS PETROLEUM CONSULTANTS LTD.

J.C. Unkauf, P. Geol., President
C.J. Unkauf, Secretary

HEAD OFFICE:
P.O. Box 579, Station G.
Calgary, Alberta
(403) 289-2406

SUNCORD ENGINEERING LTD.

John W. Stewart, President

HEAD OFFICE:
#307, 9006 - 132 Avenue
Edmonton, Alberta T5E 0Y2
(403) 473-2111

DESCRIPTION: Suncord Engineering Ltd. was incorporated in 1981 in Edmonton. The firm provides consulting engineering services in heating, ventilation, air-conditioning and plumbing for commercial, institutional and light industrial building projects. Specialized services include energy conservation studies and building energy management, feasibility studies and computer application. The company has experience in development of software and hardware for microprocessors and mini-mainframe computers.

SPECIAL SERVICES: Hardware and software development for small computers.

SUNTON ENGINEERING LTD.

Anthony Newton, President

HEAD OFFICE:
204, 10706 - 124 Street
Edmonton, Alberta T5M 0H1
(403) 455-8478

DESCRIPTION: The company was incorporated in Alberta in January, 1984. Services include heating, ventilating, air conditioning and plumbing system design and site supervision for commercial, institutional, industrial and residential buildings; energy conservation studies and implementation; computer aided building energy systems analysis; and solar energy systems design. The company specializes in recreational facility design.

SPECIAL SERVICES: Computer-aided design and drafting systems are utilized extensively.

SUTTON, KYLE & ASSOCIATES LTD.

Sidney James Sutton, President
Charles Ralph Thomas, General Manager
Leslie Jacobsen, Manager of Operations

HEAD OFFICE:
#200, 6131 - 6th Street S.E.
Calgary, Alberta T2H 1L9
(403) 253-6586

DESCRIPTION: Sutton, Kyle & Associates Ltd. is a Canadian owned company controlled by Sidney James Sutton. The company was formed in October of 1976, by S. Jim Sutton under the name of Sutton Electrical Services Ltd., to provide an electrical consulting service to operating oil and gas companies. On June 1, 1979, Sutton Electrical Services Ltd., changed its name to Sutton, Kyle & Associates Ltd. Since incorporation, the company has completed a wide range of projects, electrical engineering, design, drafting, specifications, materials procurement, construction supervision and commissioning of individual projects.

SUVAN, FETTIG & ASSOCIATES (1984) LTD.

Norman C. Suvan, A.L.S., President
Bryan Griffith, P. Eng., Engineer

HEAD OFFICE:
10580 - 108 Street
Edmonton, Alberta T5H 2Z9
(403) 425-9350

DESCRIPTION: The company was formed in 1986 as a partnership between Norman C. Suvan, A.L.S., and Suvan Fettig & Associates (1984) Ltd. Engineering services, related to municipal improvement projects and land development, are provided by Suvan, Fettig & Associates (1984) Ltd. An in-house computing system handles all survey and engineering computations as well as producing engineering drawings with the AUTOCAD system. Municipal projects include sanitary sewer, water and storm drainage systems, street improvements.

SPECIAL SERVICES: Residential and industrial subdivisions, land development.

SWANSON TRANSPORTATION CONSULTANTS LTD.

H. Allen Swanson, President
Valerie Swanson, Secretary/Treasurer

HEAD OFFICE:
527 Lake Moraine Way S.E.
Calgary, Alberta T2J 3A4
(403) 271-4369

DESCRIPTION: The firm was incorporated in Alberta in 1984, and provides consulting and advisory services in urban transportation and development. Specific services pertain to traffic, parking, and transportation planning for both private and government clients.

J.E. SWORDER ENGINEERING LIMITED

John Sworder, President

HEAD OFFICE:
408, 5020 Riverbend Road
Edmonton, Alberta T6H 5J8
(403) 436-5892

DESCRIPTION: J.E. Sworder Engineering Limited was incorporated in 1968 in Alberta to provide mechanical engineering design services to industry and commercial clients in the fields of building services, heating ventilation and air conditioning, air pollution control, incineration, heating plants, hydraulic systems, industrial plant design and preventative maintenance.

SPECIAL SERVICES: Industrial process analysis as required for the design of air pollution control systems and to determine the process heat release for the design of heating ventilation systems for large heavy industrial plants.

TAB EXPLORATION CONSULTANTS LTD.

Thomas A. Birnie, P. Geol., President
Lorraine E. Birnie

HEAD OFFICE:
5631 Ladbrooke Place N.W.
Calgary, Alberta T3E 5Y3
(403) 249-0523

ALBERTA OFFICES:
800 Selkirk House
555 - 4th Avenue S.W.
Calgary, Alberta T2P 3E7

DESCRIPTION: The firm was formed in 1983 and incorporated in Alberta in 1985. The company offers a broad range of petroleum exploration expertise, specializing in basin analysis and prospect generation. Services include stratigraphic and structural studies, seismo-stratigraphic interpretations and exploration project management.

SPECIAL SERVICES: The firm offers expertise in incorporating geophysical studies into its basin analyses and petroleum prospects.

TEAM 7 CONSULTANTS

Bryan Scott, P. Eng., President

HEAD OFFICE:
403, 1501 - 1st Street S.W.
Calgary, Alberta T2R 0W1
(403) 234-9222

DESCRIPTION: The firm was formulated in 1982. The broad range of services provided entails land development, water and wastewater treatment, plus solid waste management.

TEAM PROJECTS LTD.

M.J. Visser, President
H.C. Visser, Secretary-Treasurer

HEAD OFFICE:
227 South Heritage Square
8500 MacLeod Trail South
Calgary, Alberta T2H 2N1
(403) 255-7700

DESCRIPTION: Team Projects Ltd. was incorporated in Calgary in 1981. Services offered are within the broad range of the commercial/industrial construction industry: project management, construction management, quantity and cost estimating, reports on existing buildings, construction methods consulting, arbitration or mediation of disagreements.

SPECIAL SERVICES: Arbitration/mediation, disagreements in commercial construction area.

TECHO GEOPHYSICAL SERVICES LTD.

David R. Hutchinson, President
Janet Hutchinson, Secretary

HEAD OFFICE:
3315 Canberra Place N.W.
Calgary, Alberta T2L 0S2
(403) 282-4686

DESCRIPTION: The company was formed in the first quarter of 1980, with three shareholders, as a consulting and research resource to serve junior oil companies in Calgary. During the first 2 years we developed and marketed some proprietary techniques for processing seismic data. Extensive use was made of two dimensional media estimators in the solution of large over constrained systems of numbers. We also assisted in the design and supervision of seismic surveys in Canada and the U.S. Techo changed address in 1983 and two of the original shareholders were bought out. Techo's software is now in use under license by several contractors and oil companies in Calgary. It has been exported to England, Australia, the U.S., Indonesia, the Philipines and the Peoples Republic of China. It is used by three different national oil companies. Techo has recently implemented its own computer systems architecture in a new geophysical computer system.

SPECIAL SERVICES: Computer systems design and implementation of software for intensive scientific computation. Geophysical processing research.

TECHNA-WEST ENGINEERING LTD.

Janko Misic, Ph.D., P.Eng., President & General Manager
Neil Evans, M.Sc., P.Eng., Manager, Civil Engineering
Mahary Gregory, M.Sc., P.Eng., Manager, Structural Eng.
John Sworder, P.Eng., Manager, Mechanical Engineering
Steven Toth, P.Eng., Act. Manager, Electrical Eng.

HEAD OFFICE:
5621 - 94A Street
Edmonton, Alberta T6E 3E4
(403) 434-2364

DESCRIPTION: The firm was incorporated in 1978 in Edmonton. Services offered by the company include preliminary analysis, planning and feasibility studies, engineering analysis and design specifications and supervision of construction, reports and consultation on special problems. The company covers multidisciplinary range of engineering (civil, municipal, structural, mechanical) and provides services to industrial (petrochemical, cement plants) clients.

TECHNICUS ENGINEERS & CONSULTANTS LTD.

John R. Wood, President

HEAD OFFICE:
P.O. Box 8805, Station F.
Calgary, Alberta T2J 5S5
(403) 258-4818

DESCRIPTION: The firm was incorporated in Calgary in 1984. Services are offered in pre-investment, feasibility and organization studies; market studies; project management.

ROBERT L. TEDRICK PETROLEUMS LTD.

Robert L. Tedrick, President
Lillian M. Tedrick, Secretary

HEAD OFFICE:
Box 10, Ste. 8, 9203 MacLeod Trail S.W.
Calgary, Alberta T2H 0M2
(403) 252-6260

DESCRIPTION: Company was formed in 1966 and incorporated in Alberta in 1967 to provide consulting geological services to the oil industry. Full exploration and development services are offered from prospect generation to complete post drilling evaluation.

TEKNICA RESOURCE DEVELOPMENT LTD.

Roy O. Lindseth, President
Peter B. Swidzinski, Sr. Vice President
R.C. Mummery, Vice President, Seislog
Edward M. Davin, Vice President, Basin Evaluations
Fran S.J. Munoz, Vice President R & D
Jack A. Ward, President (Teknica Inc.)
Richard Smith, Vice President (Teknica Inc.)

HEAD OFFICE:
#1100, 736 - 6th Avenue S.W.
Calgary, Alberta T2P 3T7
(403) 269-4386 TLX/TWX
03-826725

DESCRIPTION: The firm was incorporated in 1972 in Calgary by its founder Roy O. Lindseth. Teknica Inc. was formed in 1977 in Houston, Texas. Teknica specializes in geological/geophysical consulting utilizing its patented process Seislog for seismic inversion. Additional services include extensive basin evaluations, technology transfer, and most recently, the development of a research and development program sponsored by over 20 major oil and gas companies worldwide. Its objective is to develop an interactive interpreter workstation utilizing state of the art hardware. Services are offered worldwide and include over 1300 major projects in Canada, USA, Europe, Asia, China, Australia and South America.

OTHER FOREIGN OFFICES: TEKNICA INC., Houston, Texas.

TELEDYNE EXPLORATION LTD.

R.D. St. Clair, Vice President
J.H. Jackson, Asst. Vice President
C.H. Prescott, Treasurer

HEAD OFFICE:
P.O. Box 5129, Station 'A'
Calgary, Alberta T2H 1X3
(403) 255-7784

DESCRIPTION: In 1967 Teledyne acquired 4 old line geophysical firms which had been in Canada since 1948 and since 1967 has operated geophysical field crews and data processing under contract to the oil industry at large.

TENSOR ENGINEERING LIMITED

Graeme G. King, President

HEAD OFFICE:
243 Strathearn Crescent S.W.
Calgary, Alberta T3H 1M9
(403) 242-6094

DESCRIPTION: The firm was formed in 1980 in Calgary to offer engineering services to oil and gas and related industries and was incorporated in 1981 in Alberta. The company offers expertise in all aspects of oil and gas collection, transmission and distribution. Services include project feasibility studies, process evaluation, cost estimating, conceptual and detailed design, construction inspection and troubleshooting. Specialized services are offered in application software development for clients and regulatory work. The company has worked on a wide variety of projects including carbon dioxide, heavy oil, slurries, LNG, dense phase and Arctic projects as well as conventional oil and gas.

TERA ENVIRONMENTAL CONSULTANTS (ALTA.) LTD.

Howard R. Heffler, P.Eng., President
Dean F. Mutrie, Vice President

HEAD OFFICE:
1115 Kensington Road N.W.
Calgary, Alberta T2N 3P2
(403) 283-9467

DESCRIPTION: TERA ENVIRONMENTAL CONSULTANTS (ALTA.) LTD. is an independent Canadian firm incorporated in Alberta in 1983 to provide environmental services to a wide spectrum of industrial clients. The firm combines a solid background in environmental engineering and planning with a broadly based understanding of the petroleum industry and the regulatory environment in which is operates. Projects are carried out by a team of specialized professionals with considerable practical experience in the oil and gas industry. The firm has special expertise in the following areas: pipeline and linear facilities, emergency response procedures, oil spill contingency plans, reclamation planning and waste management (brochure available).

SPECIAL SERVICES: TERA is a specialist in pipeline projects. Management, contingency planning.

OTHER CANADIAN OFFICES: Vancouver, B.C.

OTHER FOREIGN OFFICES: Seattle, Washington, U.S.A.

TERRACON GEOTECHNIQUE LTD.

L. Nichols, P.Eng., P.Geol., President
F.Z. Khan, P.Eng., Vice-President

HEAD OFFICE:
P.O. Box 1048
5907 - 45th Street
Leduc, Alberta T9E 2Y6
(403) 986-7874 TLX/TWX
037-43265

DESCRIPTION: The firm originated in 1978 with the formation of L.C.G. Nichols Consulting Ltd. Subsequent diversification in the firm's range of services led to the formation of CGEI, Canadian Geological Engineers Incorporated in 1981. In 1983, the company was reorganized and incorporated under its present name of Terracon Geotechnique Ltd. The firm's consulting practice covers the fields of Geotechnical Engineering, Engineering Geology, Exploration and Development Geology, Hydrogeology, Surface Hydrology, Mine Engineering, Permafrost Engineering and Remote Sensing Imagery Analysis. Services ranging from project management to highly specialized technical roles in the foregoing disciplines are provided for mineral exploration, property evaluation and development, mine planning and design, slope stability, mine dewatering, tailings disposal design, waste dumps, foundation design, earth dams and reservoirs, terrain analyses, route selection and oilsand development. Supporting laboratory facilities are available.

SPECIAL SERVICES: The firm has special skills in the evaluation and development design of oilsand and coal properties.

OTHER CANADIAN OFFICES: Vancouver, B.C.

AFFILIATES: Franklin Sarafinchin Ltd., 83 Galaxy Blvd., Suite 18, Toronto (Rexdale), Ontario M9W 5X6. Geotechnical engineering and Rock Mechanics with special emphasis on underground mine design, tunnel design and monitoring. Nimrod International Ltd., 124 Mount Street, London, England. International joint venture and management company.

TERREN ENGINEERING LTD.

Glenn R. Smith, P.Eng.
Cor Van Steenis, P.Eng.
Darren Martin, P.Eng.

HEAD OFFICE:
11729 - 105 Avenue
Edmonton, Alberta T5H 0L9
(403) 451-2009

DESCRIPTION: Terren Engineering Ltd. was incorporated in 1978 to provide Civil Engineering services in Alberta, B.C., the Northwest Territories and the Yukon. Particular expertise is available in the disciplines of water supply, water treatment, water resources management, advanced sewage treatment for industrial wastes, solid wastes management, river engineering, urban and regional planning, industrial townsite development, land development, transportation engineering for highways, railway location and relocation, traffic and parking studies, structural engineering for bridges. Specialized expertise is available for administration of design and construction projects; operation of water and waste water plant; implementation of planned maintenance programs for water and waste water plants; economic analysis of projects.

TERRIC CONSTRUCTION & CONSULTING SERVICES LTD.

Lorne R. Konelsky, President
Gloria J. Konelsky, Secretary
James H. Fossum, Construction Manager

HEAD OFFICE:
2805 - 12th Avenue S.E.
Calgary, Alberta T2A 0G4
(403) 273-7915

DESCRIPTION: Incorporated in 1972, Terric Construction & Consulting Services Ltd. can provide expertise to the oil & gas industries in planning, project and process engineering, design, construction, startup and maintenance.

SPECIAL SERVICES: Automatic fire protection system design, installation and maintenance; automatic security system design, installation and maintenance; oil and gas production and processing equipment design and fabrication; plywood plant design and construction; and air and waste pollution control.

TETRA SYSTEMS LTD.

S. Teply, P.Eng., President

HEAD OFFICE:
P.O. Box 2851
Spruce Grove, Alberta T0E 2C0
(403) 963-2976

DESCRIPTION: An independent company, incorporated in 1976, providing advisory, consulting and research services in the fields of Transportation and Traffic Management and Systems Development.

SPECIAL SERVICES: Operation and control of transportation systems.

THIERMAN & ASSOCIATES LTD.

V.D. Thierman, President & Director
J.R. Tweddle, Secretary-Treasurer & Director

HEAD OFFICE:
#200, 10544 - 106 Street
Edmonton, Alberta T5H 2X6
(403) 423-1620/1

DESCRIPTION: Thierman and Associates Ltd. was incorporated in Alberta in 1975 and continues to offer consulting engineering services established by its predecessor firm Thizel Investments Limited/Thierman and Associates. The principals bring to the firm a broad range of experience in the management, planning, design and implementation of engineering projects, as well as the direction of multi-disciplinary projects related to Urban Planning and Development, Outline Plans and Studies, Transportation, Institutional and Recreation Projects. Consulting engineering services are offered in civil, municipal, land development and northern engineering as well as the management of engineering and multi-disciplinary studies and projects.

SPECIAL SERVICES: Arctic utility and roadway engineering.

AFFILIATES: Thizel Investments Ltd./Thierman & Associates,
200, 10544 - 106 St., Edmonton, Alta.

THORNE CONSULTANTS LTD.

L.R. Thorne, President
M.E. Thorne, Secretary

HEAD OFFICE:
220 Pump Hill View S.W.
Calgary, Alberta T2V 4M9
(403) 252-3639 TLX/TWX
03-82148

DESCRIPTION: The company was incorporated in Alberta in 1961. Reservoir production engineering studies of individual wells and entire fields were done from 1961 - 1969. In 1969 the production training courses supplemented the field study work. Gradually the course presentations have become the major effort of the company. Field work in the form of on-the-job training continues to supplement the more structured classroom presentations. The subject of optimizing the productivity of oil and gas wells continues to be of major interest throughout the worldwide petroleum industry.

SPECIAL SERVICES: Together with associate specialists in well completion design and analysis, reservoir, petrophysical, field facilities and corrosion engineering the company conducts field-wide and company-wide studies of the optimum methods of producing oil and gas from petroleum reservoirs.

THURBER CONSULTANTS LTD.

D.A. Lindberg, Principal & Managing Director, Edmonton
M.C. Harris, Principal & Chief Engineer, Alberta
P.K. Chatterji, Principal & Branch Manager, Edmonton
J.M. Laing, Principal, Edmonton
L.B. Smith, Principal & Branch Manager, Calgary
D. Smith, Principal, Vancouver

HEAD OFFICE:
10509 - 81 Avenue
Edmonton, Alberta T6E 1X7
(403) 432-1460 TLX/TWX
037-43380

ALBERTA OFFICES:
#3, 6120 - 11 Street S.E.
Calgary, Alberta T2H 2L7
(403) 253-9217

DESCRIPTION: Thurber Consultants Ltd. is a group of geotechnical and geological engineers who offer consulting services in the areas of terrain analysis, soil and rock mechanics, subsurface investigations, in situ testing, laboratory testing, foundation engineering, stability assessment, earthwork design, instrumentation and field inspection. Services are provided for petrochemical plant construction, mining developments, railways and highways, forestry development, earth dams and reservoirs, thermal power station construction, pipeline routes, oil sand development and Arctic projects. Thurber Consultants Ltd. is a private Canadian company wholly owned by its senior practising engineers and employees. It was founded in 1957 as R.C. Thurber and Associates. An Edmonton office was opened in 1970 followed by a Vancouver office in 1976 and a Calgary office in 1981. Over 50% of the company's staff are located in Alberta. Edmonton became the head office in 1983. (Brochure available)

OTHER CANADIAN OFFICES: Vancouver, Victoria, B.C.

SUBSIDIARY INFORMATION: Situ Technology Inc. was formed in 1979 and operates from Edmonton as a division of Thurber Consultants Ltd., providing in situ testing of soil and rock across North America using the self-boring and high pressure pressuremeter, the static piezometric cone and Geonor vane shear equipment.

J.N. TIDSBURY GEOLOGICAL CONSULTANTS LTD.

J.N. Tidsbury, President
T.A. Tidsbury, Secretary-Treasurer

HEAD OFFICE:
Ste. 900, Calgary House
550 - 6th Avenue S.W.
Calgary, Alberta T2P 0S1
(403) 237-0114 TLX/TWX
038-21820

DESCRIPTION: The firm was formed in Calgary in 1968 and incorporated in Alberta in the same year. The company specializes in petroleum exploration and development with particular emphasis on the application of geology and geophysics to prospect generation.

TIER ENGINEERING LTD.

Gary Morcom, President

HEAD OFFICE:
4247 Doverview Drive S.E.
Calgary, Alberta T2B 1Z4
(403) 248-5981

DESCRIPTION: The company was incorporated in Alberta in 1981. The company offers mechanical engineering expertise on equipment to meet unique needs. Special services include detailed design and construction supervision for one-of-a-kind and/or innovative machinery and process equipment.

W.H. TISDALL RESOURCES LTD.

W.H. Tisdall, P. Eng., Managing Director
Dr. J.R. Tisdall, Secretary-Treasurer
Dr. P.A. Tisdall, Director

HEAD OFFICE:
2011, 727 - 6th Avenue S.W.
Calgary, Alberta T2P 0V1
(403) 266-3464

SPECIAL SERVICES: Heavy oil exploration and evaluation.

TITAN PROJECTS LTD.

M.J. Jones, President
C.M. Reid, Secretary
N.T. Wyborn, Treasurer
J. Kus, Partner

HEAD OFFICE:
212, 7710 - 5th Street S.E.
Calgary, Alberta T2H 2L9
(403) 255-9611 TLX 03827953

DESCRIPTION: The company was founded in 1985 and is employee-owned. The company offers comprehensive engineering, procurement and project management services to the oil and gas industry. Services relate to oil and gas processing, and refining. Specialized expertise in water treatment and produced water treatment is offered.

TOBMAN RESOURCE MANAGEMENT LIMITED

William Tobman, President
Colleen Tobman, Secretary

HEAD OFFICE:
2412 - 34 Avenue N.W.
Calgary, Alberta T2L 0V2
(403) 264-2156

DESCRIPTION: The firm was formed in 1976 in Calgary and Incorporated the same year under the laws of Alberta. The company offers geologic and management services related to the petroleum industry.

TORCHINSKY CONSULTING (1976) LIMITED

B.B. Torchinsky, President
T. McLellan, Exec. V.P. & Secretary
H. Soloninka, V.P. Eng. (Consulting) Group
S. Bulych, General Manager Alta. Operations

HEAD OFFICE:
#210, 6420 - 6A Street S.E.
Calgary, Alberta T2H 2B7
(403) 253-2560

ALBERTA OFFICES:
#310 Athabascan Avenue
Sherwood Park, Alberta T8A 3X7

P.O. Box #857
B1 - 5115 - 55 Avenue
Lloydminster, Alberta T9V 0Z2

P.O. Box #1585
4870 - 51 Street
Camrose, Alberta T4V 1S1

DESCRIPTION: The firm started operations in Alberta in 1970 and was originally founded in Saskatchewan in 1955. Torchinsky Consulting (1976) Ltd. maintains offices in Calgary, Edmonton, Lloydminster and Camrose. The Company offers comprehensive engineering services in highway and road construction, oilfield road construction and construction site engineering services, municipal engineering services, drainage surveys and construction survey and layout.

AFFILIATES: B.B.T. Geotechnical Consultants Ltd., Edmonton and Calgary - Geotechnical Engineers & Laboratory Soils testing. The Cambrian Engineering Group Ltd., Calgary - Mechanical, Structural, Electrical and Industrial Engineering. S.M.P. Consulting Ltd., Edmonton - Structural, Municipal and Planning Consultant.

TRI OCEAN PETROLEUM SERVICES LTD.

R. Davis, Principal
D. Andrews, Principal
R. McBeth, Principal
T. Grantham, Principal

HEAD OFFICE:
222 - 58th Avenue S.W.
Calgary, Alberta T2H 2S2
(403) 258-4400 TLX/TWX 03
822798

DESCRIPTION: Tri Ocean is a consulting engineering firm formed to provide comprehensive engineering and project management services to the petroleum industry on a worldwide basis. Tri Ocean is located in Calgary, Alberta and was established as an employee owned fully Canadian company. The senior technical personnel have extensive varied onshore and offshore production and drilling experience with large multinational oil companies, as well as with Canada's largest drilling contractor. Since its beginning Tri Ocean has been engaged in projects in Canada, both offshore and the Arctic and in many other countries of the world. Tri Ocean's services include feasibility studies, preliminary designs and cost estimates, design criteria, detailed drawings and specifications, equipment specification and procurement, construction supervision, start-up assistance, operating manuals and project operation and management. Over the last few years Tri Ocean personnel have provided engineering and project management services for the design and construction of several modularized production platform-mounted drilling rigs, the drilling of two wells in the South China Sea, several subsea drilling systems and the world's only subsea production system to be installed under the Arctic ice. The company has provided engineering for various production development and product handling studies for Canada's east coast and elsewhere, design services for drilling operations and several year round caisson structures in the Beaufort Sea, logistical support studies for North Sea production platform complexes, and the Arctic ice platform drilling operations.

SPECIAL SERVICES: Design and project management of onshore, offshore, and Arctic drilling and production facilities for the oil and gas industry.

AFFILIATES: Lundrigan Tri Ocean Ltd., St. John's, NFLD, design and project management of offshore oil and gas projects, east coast of NFLD.

TRIGG, WOOLLETT, OLSON CONSULTING LTD.

C.M. Trigg, Ph.D., P.Eng., President
G.N. Woollett, P.Geol., Secretary-Treasurer
R.A. Olson, Ph.D., P.Geol., Director

HEAD OFFICE:
10504 - 103 Street
Edmonton, Alberta T5H 2V4
(403) 425-8905

DESCRIPTION: Incorporated in 1968, the company offers consulting, operating and management services in mining geology and mineral exploration. The firm spcializes in precious, base and radioactive metals. Services include: evaluating mineral property submittals, evaluating mineral properties, planning and operating mineral exploration programs, planning and supervising diamond drilling evaluations of mineral prospects, preparation of reports on all aspects of mineral exploration including preparation of reports suitable for governmental submission, mine geological mapping, planning of underground mining exploration programs, mine geological consulting, supervision of underground mining exploration programs, calculation of ore reserves, pre-feasibility studies.

GRANT TRIMBLE ENGINEERING LTD.

W.G. Trimble, President
G.M. Trimble, Secretary-Treasurer

HEAD OFFICE:
2200 Monenco Place
801 - 6th Avenue S.W.
Calgary, Alberta T2P 3W2
(403) 261-4720 TLX/TWX
03-826856

DESCRIPTION: Grant Trimble Engineering Ltd. was incorporated as a Limited Company in the Province of Alberta in February, 1971. The company offers a wide range of services to the petroleum industry, including: Reserve and present worth appraisal of oil and gas properties; Crude oil production and gas well deliverability forecasts; Preparation of company evaluations for submission to banks and various securities commissions; Special reservoir studies including computer solution of technical problems; Enhanced recovery feasibility studies and performance reviews. Tertiary recovery for conventional and heavy oil reservoirs; Oil and gas supply and market demand forecasts; Applications and verbal testimony before regulatory bodies on production oriented matters; Unitization of oil and gas properties; Land system initiation and administration; Production accounting; Oil and gas property management; Drilling well administration and completion work; Facility design and installation.

TRITEK ENGINEERING CONSULTANTS LTD.

Bryan Evans, General Manager
Bill Jenkins, Head of Engineering
Terry Toma, Project Manager
Bob Doull, Project Manager

HEAD OFFICE:
14010 - 128th Avenue
Edmonton, Alberta T5L 4M8
(403) 451-5600

DESCRIPTION: Tritek Engineering is an Alberta based consulting engineering firm solely owned by its senior staff. From our office in Edmonton, Tritek provides planning and civil engineering to municipal, government and private industry clientele. Our senior engineer and technologists all have more than fifteen (15) years of experience in the engineering of water supply and treatment systems; waste water treatment and disposal facilities; all types of utility distribution and collection systems; transportation systems such as roads, highways, and railroads; site development projects and various special purpose buildings.

TRUMP RESOURCES LTD.

V.K. (Roy) Bewtra, President

HEAD OFFICE:
Suite 1310, Sun Life Plaza
144 - 4th Avenue S.W.
Calgary, Alberta T2P 3N5
(403) 234-9879 TLX/TWX
03-821689

ALBERTA OFFICES:
1406 Ranchlands Road
Calgary, Alberta T3G 1M9

DESCRIPTION: Trump Resources Ltd. was formed in 1984 and has been providing professional services to the petroleum industry and the financial institutions in all aspects of exploration, development, production, geological, enhanced oil recovery and corporate evaluation.

TWS ENGINEERING LTD.

Terrance W. Smith, President
Lynne A. Smith, Director

HEAD OFFICE:
#102, 9333 - 47th Street
Edmonton, Alberta T6B 2R7
(403) 468-5477

DESCRIPTION: TWS Engineering Ltd. is an Edmonton based firm which was incorporated in Alberta in 1977. The company offers a broad scope of services in electrical engineering; some of which include the complete design services and site inspections of Arctic buildings and structures, commercial, industrial, institutional and residential buildings; electrical systems and equipment; material handling; fire protection systems; hospitals; industrial plant design, instrumentation; recreational facilities; sewage collection and disposal systems, sewage treatment and pollution control systems; and solid waste systems. Specialized services are offered in the design of imaginative special effects lighting for various projects. (Brochure available)

SPECIAL SERVICES: Special effects lighting, Arctic & Subarctic Projects.

TWYMAN GEOLOGICAL CONSULTANTS LTD.

J.P. Twyman, President
M.I. Twyman, Secretary/Treasurer

HEAD OFFICE:
#850, 736 - 6th Avenue S.W.
Calgary, Alberta T2P 3T7
(403) 262-9127

DESCRIPTION: The firm was formed and incorporated in Alberta in 1975 to offer geological consulting services to the petroleum industry. Services include petroleum exploration programs, property evaluations and geological studies.

U & H IRRIGATION SYSTEMS LTD.

Uri Kondor, President
Jack Kaston, Chief Engineer

HEAD OFFICE:
13315 - 81st Avenue
Edmonton, Alberta T5R 3N3
(403) 483-1778 TLX/TWX

ALBERTA OFFICES:
201, 17205 - 106A Avenue
Edmonton, Alberta T5S 1M7

DESCRIPTION: The company was incorporated in Alberta in 1983. Broad range of services in irrigation engineering for green houses, tree nurserys, cash crops and landscaping related to civil and agriculture engineering work. Services include overall design of piping systems, sprinkler systems and the associated mechanical and electrical systems. Specialized services are offered in the design, construction and operation of drip irrigation.

UMA ENGINEERING LTD.

A.R. Pasini, President & General Manager
W.A. Tapuska, Sr. V.P. & Calgary Reg. Manager
R.H. Savage, V.P. & Edmonton Reg. Manager
R.N. Nelsen, V.P. Industrial Marketing
S.S. Strilchuk, B.C. Area Manager
E.L. Moroz, V.P. & Saskatchewan Area Manager
R. Hood, V.P. & Manitoba Area Manager
M. Bruno, V.P. & Eastern Canada Manager
M. Lloyd, Halifax Manager

HEAD OFFICE:
17007 - 107 Avenue
Edmonton, Alberta T5S 1G3
(403) 483-7722 TLX 037-2537

ALBERTA OFFICES:
2540 Kensington Road N.W.
Calgary, Alberta T2N 2S3
(403) 283-4961

514 Stafford Drive
Lethbridge, Alberta T1J 3Z4

4920 - 54 Street
Red Deer, Alberta T4N 2G8

7, 403 - 2 Avenue N.W.
Brooks, Alberta T0J 0J0

101, 552 - 18 Street S.W.
Medicine Hat, Alberta T1A 8A7

53 Avenue West
Drumheller, Alberta T0G 0Y0

DESCRIPTION: UMA Engineering Ltd., was founded in 1911. The Calgary office was opened in 1953; and the Lethbridge office in 1962; and the Edmonton office in 1964. Other offices are located in Saskatoon, Regina, Winnipeg, Toronto, Vancouver, Halifax and Irvine, California. In addition, the firm operates district offices in Alberta including six in Alberta which are located in Brooks, Drumheller, Hinton, Medicine Hat, Red Deer and Stettler. The firm and its affiliates has a total staff of 865 of which 360 are located in Alberta. Services include: municipal, water and wastewater treatment, industrial facilities, hydrocarbon processing, transportation, community planning, water resources, geotechnical and legal surveys. The firm is an employee-owned Canadian company. (Brochure available)

OTHER CANADIAN OFFICES: Vancouver, B.C.; Burnaby, B.C.; Kelowna, B.C.; Saskatoon, Saskatchewan; Regina, Saskatchewan; Winnipeg, Manitoba; Toronto, Ontario; Ottawa, Ontario; Halifax, Nova Scotia.

OTHER FOREIGN OFFICES: Irvine, California.

SUBSIDIARY INFORMATION: UMATAC Industrial Processes Division, Calgary, R & D, design and manufacturing, direct thermal oil sands processor. WESTERN PHOTOGRAMMETRY DIVISION, Edmonton, Photogrammetric mapping.

AFFILIATES: UMA GROUP LTD., Saskatoon, Saskatchewan; UMA Spantec Ltd., Calgary, project management; UMA Pritchard Ltd., Calgary, E.P.C. services for oil, gas and chemical processing plants; Marston & Marston, Inc. St. Louis, Mo., Mine planning, evaluation and design.

UMA PRITCHARD LTD.

A.R. Pasini, President
D.J. Cote, Sr. Vice President
R.S. Leland, Sr. Vice President
R.N. Nelsen, Vice President - Marketing
M.L. Boudreaux, Vice President - Engineering
G.M. Beaumont, Secretary & General Counsel

HEAD OFFICE:
2450 Kensington Road N.W.
Calgary, Alberta T2N 3S3
(403) 283-4961 TLX/TWX
038-24565

ALBERTA OFFICES:
17007 - 107 Avenue
Edmonton, Alberta T5S 1G3

514, Stafford Drive, P.O. Box 655
Lethbridge, Alberta T1J 3Z4

#3, 4805 - 48 Street
Red Deer, Alberta T4N 1S6

DESCRIPTION: UMA Pritchard Ltd., was founded in Calgary in 1981. The company combines the capabilities and experience of The UMA Group and the Pritchard Corporation offering complete design, engineering, procurement and construction services to the process industry. UMA Pritchard Ltd., is capable of providing engineering services from project feasibility studies through to start-up and commissioning for complete process plant facilities. The company offers the Pritchard Corporation's strong world wide background and experience in natural gas and chemical processing, petroleum refining and cryogenic technology in conjunction with The UMA Group's experience in a multitude of engineering and construction services to a wide variety of industrial clients. The company offers the combined experience and capacity of 130 years of activity in the engineering and construction area.

SPECIAL SERVICES: Complete process plant project capabilities from feasibility study through to plant start-up and commissioning. Typical process, gas technology, sulphur technology, chemical processing, petroleum refining, environmental technology, cryogenic technology, gas compression, oil and gas field production facilities.

OTHER CANADIAN OFFICES: Vancouver, B.C.; Saskatoon & Regina, Saskatchewan; Winnipeg, Manitoba; Toronto, Ontario; Halifax, Nova Scotia.

OTHER FOREIGN OFFICES: Kansas City, U.S.A.

AFFILIATES: UMA Engineering Ltd., Edmonton, Alberta, general consulting engineers. The Pritchard Corporation, Kansas City, Mo. U.S.A. process industry engineering, procurement, construction. UMA Spantec Limited, Calgary - project & construction management. Marston & Marston, Inc., Calgary - mine planning, evaluation & design.

UMATAC INDUSTRIAL PROCESSES DIVISION OF UMA ENGINEERING LTD.

D.J. Cote, President
W. Taciuk, Executive Vice President
A. Pasini, Secretary

HEAD OFFICE:
210, 2880 Glenmore Trail S.E.
Calgary, Alberta T2C 2E7
(403) 279-8080

DESCRIPTION: UMATAC Industrial Processes was formed as a UMA Group subsidiary in 1975. Its prime purpose has been to provide an applied research and development capability to the UMA structure. During the past 11 years UMATAC has been engaged in successful research and development of the Taciuk Direct Thermal Oil Sands Processor for simultaneous extraction and upgrading of oil sands, oil shales, or other hydrocarbon feed stocks. The company maintains a pilot plant facility with capability for batch and continuous testing of candidate feed stocks at rates of up to 5 tons/hour. Recently the company has successfully tested various hydrocarbon wastes in the plant and are currently engaged in testing of Australian oil shales. UMATAC maintains a core of speciality engineers for research, development and design of processor systems. A general ability to design process plants for non-ferrous mining operations is available as well.

SPECIAL SERVICES: Research and development of the Taciuk Processes for oil sands processing. General applied research, development, engineering, and process computer modelling capability.

OTHER CANADIAN OFFICES: Represented by UMA Engineering offices across Canada.

UNIVERSAL INDUSTRIES LTD.

Ed Brauer, President
L.A. Nordquist, V.P. Operations
F.W. James, Manager of Marketing

HEAD OFFICE:
Box 1590
Glen E. Neilson Industrial Park
Lloydminster, Alberta S9V 1K5
(403) 875-6161 TLX/TWX
037-49529
Calgary Marketing Rep. Rod Stewart
(403) 931-2473

ALBERTA OFFICES:
300 Daon Building 444 - 5th Avenue S.W.
Calgary, Alberta TSP 2T8

DESCRIPTION: Since the early 1970's Universal Industries Ltd. has been a leader in providing Western Canada with Design and Construction of Heavy Oil Atmospheric Treating Systems. UIL has specialized in providing total turnkey construction packages. It has the personnel, expertise, facilities material and machinery to construct, erect, fabricate and install most components of a treating system. This entails design engineering, drafting procurement, civil, tank erection, process and mechanical piping, corrosion protection and final start up. Universal Industries Ltd. has also participated in installation of several enhanced Thermal Recovery Projects as a total turnkey construction project; example: Texas Gulf, Meota and Gulf Oil, Cold Lake, etc.

SPECIAL SERVICES: Specialize in heavy oil and in situ tar sand primary treating systems and associated surface facilities.

URBAN SYSTEMS LTD.

R. Terry McQuillan, P.Eng., President
Lorne H. Pierlot, P.Eng., Vice President
Terry W. Gowing, P.Eng., Secretary
Dave M. Ethier, P.Eng., Partner
Dan B. McKerracher, P.Eng., Partner
Terry Underwood, P.Eng., Partner
Gordon J. Petersen, M.A., M.C.I.P., Partner

HEAD OFFICE:
7 St. Paul Street West
Kamloops, B.C. V2C 1E9
(604) 374-8311

ALBERTA OFFICES:
#140, 2723 - 37 Avenue N.E.
Calgary, Alberta T1Y 5R8
(403) 291-1193

DESCRIPTION: The firm was formed in 1975 in Kamloops, B.C. A Kelowna office was opened in 1976, a Prince George office was opened in 1980, and a Calgary Branch initiated in 1983. The firm provides professional planning and engineering services for municipal, regional, provincial and federal levels of government, as well as private land developers. Engineering services include feasibility studies, pre-design, design, and field construction services for: water supply, treatment distribution and storage systems; sewage collection, treatment and disposal; storm water management systems; roadways; solid waste disposal including incineration; and land development projects. Planning services include: land development planning, community and regional planning, bylaw preparation, landscape architecture, municipal financial planning, and downtown revitalization projects. The company employs a multi-disciplinary approach to planning and engineering projects, and works in conjunction with specialist hydrogeological, geological, land resource, and socio-economic firms.

OTHER CANADIAN OFFICES: Kelowna, Prince George, B.C.

URSENBACH RESEARCH ENGINEERING LTD.

Gerald R. Ursenbach, President
Geraldine Ursenbach, Secretary

HEAD OFFICE:
12440 Cannes Road
Calgary, Alberta T2W 0H5
(403) 281-9500

DESCRIPTION: Company formed in 1978 offering the management and engineering expertise of the principal's 28 years experience in senior management and engineering in major oil, gas and product pipeline owner companies. Consulting services have been retained by major companies and government agencies for specialty pipeline problems of feasibility, safety and conceptual design; followed by preparation of permit applications, expert witness in regulatory proceedings and advisory functions and project implementation. Experienced in right of way acquisition strategy and supervision.

SPECIAL SERVICES: Registered Trading Name: PERSONAMAX (training programs) Extensive consulting experience for several major clients in recent years in trasporting batches of refined petroleum products and chemicals in crude oil pipelines.

USHER CANADA LIMITED

R.W. Leeman, P.Eng., ALS, President
W.K. Anderson, P.Eng., ALS, CLS, Vice-President
H.D. Macaulay, ALS, Secretary
H.C. Engler, ALS, BCLS, CLS, Director

HEAD OFFICE:
101 Centurion Plaza
10335 - 172 Street
Edmonton, Alberta T5S 1K9
(403) 484-4644 TLX/TWX
037-2966

DESCRIPTION: Usher Canada Limited was originally incorporated in Edmonton as W.D. Usher & Associates Ltd. in 1957. The company name was changed to its present form in 1986. We offer a full range of surveying services including cadastral surveys in support of land development schemes; engineering survey services relating to resources development projects; geodetic survey services for resource exploration and mapping programs and hydrographic survey services for charting and underwater construction projects. In addition to the above, W.D. USHER & ASSOCIATES LTD. have provided Survey Project Management Services on several large multi-disciplinary projects.

VENTCO AND ASSOCIATES LTD.

David Y. Mo, P. Eng., President

HEAD OFFICE:
225, 6104 - 172 Street
Edmonton, Alberta T6M 1G9
(403) 428-9475

VERITAS GEOPHYSICAL LTD.

T. Popilchak, President
O. Stephenson, Vice-President
D. Robson
J. Freisen, Secretary-Treasurer

HEAD OFFICE:
4080 - 23rd Street N.E.
Calgary, Alberta T2E 6W9
(403) 250-2254

DESCRIPTION: Veritas Geophysical Ltd. was incorporated in Alberta in 1979 as Lead Geophysical Ltd. with a name change to Veritas in 1983. Services include seismic data acquisition crews utilizing vibroseis, dynamite or other surface energy sources. The company is incorporated as-registered in the Provinces of Saskatchewan, Manitoba and British Columbia and the Yukon and Northwest Territories as well as Alberta and operations are conducted in all of the above areas. Since 1983 Veritas Geophysical Ltd. has been affiliated with Veritas Seismic Processors Ltd. a company involved in seismic data processing in Calgary and Veritas Software Ltd., who conduct research and development in applied geophysical exploration.

AFFILIATES: Veritas Seismic Processors Ltd., 615 Third Avenue S.W., Calgary, Alberta. Major activity is processing of seismic data including 3-D survey design and processing. Veritas Seismic Software Ltd., 615 Third Avenue S.W. Calgary, Alberta.

VHM & ASSOCIATES, CONSULTING ENGINEERS LTD.

Victor H. Middleton, President

HEAD OFFICE:
Box 6, Site 23, R.R. #8
Calgary, Alberta T2J 2T9
(403) 931-2404

DESCRIPTION: VHM & ASSOCIATES, Consulting Engineers Ltd. was formed and incorporated in 1983 in Calgary. We offer commercial and industrial mechanical building services design including HVAC systems, plumbing and drainage systems, and preventive maintenance program development for computerized systems. Specialized services are offered in the design of HVAC systems and Preventive Maintenance programs for Petrochemical Plants.

SPECIAL SERVICES: Troubleshooting existing petrochemical plant process building overheating problems and providing alternative solutions to same. Development, supply, and installation (including one year's performance guarantee) of hardware and/or software packages for industrial plant preventive maintenance systems. CAD system employed for drawing production.

VIATEC RESOURCE SYSTEMS INC.

John J. Sheperd, Chairman
Robert W. Clark, President
M.J. McKinnon, General Manager

HEAD OFFICE:
114, 6815 - 8th Street N.E.
Calgary, Alberta T2E 7H7
(403) 275-6702 TLX 03-822001

DESCRIPTION: Viatec was incorporated in 1980, and based in Calgary. The company specializes in the fields of oilfield automation, particularly heavy oil production technologies, and iceberg detection and radar signal processing. Services and capabilities include custom instrumentation design and development, field analysis of production techniques and well analysis, and field programs to collect and analyse iceberg data recorded on X and S band radars.

OTHER CANADIAN OFFICES: Toronto, Ontario; St. John's, Newfoundland.

AFFILIATES: EBV Engineering, a jointly owned company by Viatec and Elektrisk Bureau of Norway. Company specializes in turnkey telecommunication systems for offshore production platforms.

ROSS S. VOGAN & ASSOCIATES LTD.

Ross S. Vogan, President

HEAD OFFICE:
59 Wildwood Drive S.W.
Calgary, Alberta T3C 3C6
(403) 242-8219

DESCRIPTION: The firm was formed and incorporated in Alberta in 1969. Broad range of services in oil, gas, coal and industrial mineral exploration and development. Services include prospect development, surface and subsurface geological projects, property evaluations, economic studies and wellsite geology.

VOLTECH ENGINEERING LTD.

Arthur N. Sunley, Principal Engineer

HEAD OFFICE:
908 Mapleglade Drive S.E.
Calgary, Alberta T2J 2G6
(403) 271-7899

DESCRIPTION: Voltech Engineering Ltd. was formed in Calgary in 1983 to provide Electrical, Instrumentation, and Control Design Services to the oil and gas industry including pipeline pumping and compression stations, mining, and power generation, and incorporated in 1984. Complete integrated design services are offered in the electrical/controls area with specialization in variable speed electric drives and gas turbines.

SPECIAL SERVICES: Specializing in electrical and controls for pumping stations including variable speed electric motors and gas turbine drives.

WADE ENGINEERING LTD.

Allan C. King, President
Gwen E. King, Secretary

HEAD OFFICE:
278 Westridge Road
Edmonton, Alberta T5T 1C3
(403) 455-5376

DESCRIPTION: Over the past seven years expertise as a contractor has been acquired in built up roofing, waterproofing, and various concrete coatings and polymer cement repair materials. Numerous owners and managers have illustrated a desire for condition reports on existing applications. As a result of working in the maintenance market only, diagnostic skills and corrective procedures have been developed to realize best short term and long term alternatives for maintenance of roofs and decks on existing buildings. In particular, consulting services include total restoration of built up roofs. Where restoration is not possible, the use of extended warranty membranes such as single ply EPDM sheets and modified bitumen roofing have been investigated thoroughly. The expertise of WADE ENGINEERING LTD. is directed twoards programming of maintenance over periods of time, minimizing cash outlays and identifying true needs.

WALKER, NEWBY & ASSOCIATES LTD.

L.R. Newby, President
G.C. Walker, Secretary
R.J. Fulton, Director
S.J. Longson, Director

HEAD OFFICE:
10835 - 120 Street
Edmonton, Alberta T5H 3P9
(403) 452-7892

ALBERTA OFFICES:
240, 6025 - 12 Street S.E.
Calgary, Alberta T2H 2K1
(403) 252-4595

DESCRIPTION: The company was originally established in Edmonton in 1953 under the name G.C. Walker, Alberta Land Surveyor. Two years later, L.R. Newby joined the firm and the company was renamed Walker & Newby Ltd. In 1962 a Calgary office was opened under Mr. Newby's direction, and in 1966 a new company was incorporated as Walker, Newby & Associates Ltd. More recently, in 1980, a major re-organization was undertaken to include other senior management employees in the ownership of the company while at the same time retaining the active participation of the founding partners, thus assuring continuity and the long term stability of the company. Today the company has an experienced staff consisting of professional engineers and land surveyors, certified technicians and technologists, and qualified support staff. This team is backed up with a full complement of modern equipment and facilities located at autonomous offices situated in Calgary and Edmonton. Apart from land development consulting, which is based upon a comprehensive and co-ordinated approach to planning, legal survey, and engineering, the company offers services in many other related spheres of activity ranging from data processing to feasibility studies to custom drafting services.

SPECIAL SERVICES: The firm uses an IM 70 interactive graphics computer aided drafting system. Also an IBM system/36 processor, printer with several accounting and technical programs.

WALTERS CHAMBERS AND ASSOCIATES LTD.

D.W. Chambers, Principal
J.R.V. Walters, Principal
R.M. Lasby, Principal
D.A. Petaske, Principal

HEAD OFFICE:
300, 10190 - 104 Street
Edmonton, Alberta T5T 2T2
(403) 428-1740

DESCRIPTION: The firm was founded in Edmonton in 1984 and offers a broad range of structural engineering services for all types of buildings and civil engineering structures. The firm offers complete structural engineering services including planning, design, working drawings and specifications and inspection for: special foundation systems, retaining walls, foundation for buildings and bridges, building structures, bridge super structures and specialized industrial structures. The firm offers complete investigations and report capabilities in the structural field. The firm has developed considerable expertise for buildings in the Arctic.

WARDROP ALBERTA LTD.

S. Donison, P.Eng., President

HEAD OFFICE:
202, 10468 Mayfield Road
Edmonton, Alberta T5P 4P4
(403) 483-0461

ALBERTA OFFICES:
23, 9914 Morrison Street Fort
McMurray, Alberta T9H 4A4

DESCRIPTION: As of April 1, 1983, the Alberta operation of W.L. Wardrop & Associates Ltd. has operated under the name of Wardrop Alberta Ltd. Wardrop began operation in Edmonton in 1974 to extend the firm's coverage of the prairies to Alberta and to facilitate the services being provided in the Western Arctic region. Wardrop Alberta Ltd. has a staff of 11 including 5 professional engineers, located in Edmonton and Fort McMurray and includes disciplines in municipal, mechanical, structural, electrical and controls engineering. Expertise includes energy conservation, water and sewage treatment, transportation, heavy equipment maintenance facilities and industrial process plants. Our capabilities include feasibility studies, project planning, pre-design investigation reports, design, contract and specification preparation, pre and post-tendering services, project management and/or construction inspection services. The partners and senior engineers have, in the past two decades, and will continue, to provide competent engineering services to all sectors of private and government organizations in Western and Northern Canada.

SPECIAL SERVICES: Sanitary and storm sewer flooding investigation and rehabilitation and energy conservation.

AFFILIATES: W.L. WARDROP & ASSOCIATES LTD., Winnipeg, Manitoba. Major activities - structural, mechanical, electrical and municipal engineering, process development, planning, procurement, project management and construction inspection.

ALLEN WASNEA CONSULTING MECHANICAL ENGINEERS

Allen Wasnea, M.B.A. P.Eng.

HEAD OFFICE:
204, 10706 - 124 Street
Edmonton, Alberta T5M 0H1
(403) 451-2531

DESCRIPTION: Established in 1979, expertise is offered in the field of heating, ventilating, air conditioning, plumbing and energy studies. Consulting for a wide range of projects including offices, clinics, churches, warehouses, restaurants, swimming pools, schools and apartment complexes. The general layout, equipment selection and detailed design of belt conveyor systems for grain, gravel, coal, ore, etc. Brochure available.

SPECIAL SERVICES: Materials Handling, Heating & Ventilating, Mechanical Engineering.

AFFILIATES: B.P. Morneau Mechanical Consulting Services Ltd., Victoria, B.C.

WASNEA & ASSOCIATES ENGINEERING LTD.

Dennis Wasnea, President
Paul Beaubien, Associate

HEAD OFFICE:
10248 - 123rd Street
Edmonton, Alberta T5N 1N4
(403) 482-5931

DESCRIPTION: Wasnea & Associates Engineering Ltd. was incorporated in 1974; however, the principals have been actively engaged as elect. consultants since 1972. Broad range of services include negotiated contracts, preliminary electrical budgets, electrical analysis & contract negotiations, high voltage distribution systems, lighting analysis - efficiency studies, site development services, working drawings, site supervision and progress certificates for a wide variety of residential, commercial and institutional projects.

SPECIAL SERVICES: The firm is presently in the preliminary stage of being able to offer image processing systems (studies and system designs) to industrial and institutional clients).

WEGA-D GEOPHYSICAL LTD.

Werner J.M. Wenzel, President

HEAD OFFICE:
105, 1301 - 8th Street S.W.
Calgary, Alberta T2R 1B7
(403) 244-5166 TLX/TWX
03-825865 INTCAN CGY

DESCRIPTION: The firm was formed and incorporated in 1975. The company holds licenses and markets elemental sulphur forming (prilling) related technologies. In an agreement with Partec-Lavalin Inc. of Calgary complete EDP services for sulphur forming, storage and handling facilities are offered worldwide. In addition Intcan provides sulphur related technology and marketing consulting services to industry and governments and institutions. Intcan is the exclusive license holder of the Polish air prilling technology.

SPECIAL SERVICES: Sulphur related consulting.

SUBSIDIARY INFORMATION: Wega-D Geophysical Ltd., Wega-D Systems, electrical geophysical exploration and data processing. Manufacture of Wega-D data acquisition equipment. Licensed by APEGGA.

WEISS CONSULTANTS INC.

V.S. Weiss, President
W. Sokal, General Manager
B.M. Weiss, Secretary-Treasurer
G.F. Hannochko, Manager - Projects

HEAD OFFICE:
2425 Cawthra Road
Mississauga, Ontario L5A 2W7
(416) 279-2635

ALBERTA OFFICES:
200A, 9705 Horton Road S.W.
Calgary, Alberta T2V 2X5
(403) 255-4438 TLX/TWX
03-821296

DESCRIPTION: Originally established in 1965, opened Alberta office in 1979, Weiss Consultants Inc. fulfills a demand created by a growing need for specialization and competence in the instrumentation and process control field. Specializing in instrumentation and process control engineering, this wholly Canadian-owned company has gained acceptance and has experienced steady growth since its inception. Operating worldwide the Weiss Group serves a broad spectrum of domestic and international clients and has become established in most sectors of industry. Weiss Consultants Inc. operates with the full co-operation of the other member-companies of the Weiss Group. The first member of the group, Weiss & Associates, was founded in 1965 in Montreal. The newest member of the Group, Weiss Engineering Corp. (Chartered in 1983) in Neptune City, NJ, USA is also the first one outside Canada.

OTHER CANADIAN OFFICES: Montreal, Quebec; Mississauga, Sarnia, Ontario.

OTHER FOREIGN OFFICES: Neptune City, New Jersey, USA; Seattle, Washington, USA.

W-E-R ENGINEERING LTD.

A.T. McPhail, P. Eng., President
J.M. Wise, P. Eng., Vice President
R.B. Elson, P. Eng., Vice President, Engineering
K.G. Dress, P. Eng., Manager, Design and Construction

HEAD OFFICE:
306, 2735 - 39 Avenue N.E.
Calgary, Alberta T1Y 4T8
(403) 291-1195/291-1149

ALBERTA OFFICES:
P.O. Box 2166, 9607 - 100 Street
Peace River, Alberta T0H 2X0

DESCRIPTION: W-E-R Engineering Ltd. is a firm of water resources consulting engineers, incorporated in 1979 with head office in Calgary, Alberta. The company has been providing engineering services in Western Canada and has extended its services to the international consulting field. Since its inception W-E-R Engineering has been providing planning, engineering and management services for water supply, water storage, irrigation, drainage and flood control projects including: river basin planning, feasibility studies, final designs, contract documents and construction inspection and management. W-E-R maintains a permanent staff of planning and design engineers and technical support personnel dedicated to providing a high standard of service to its government, industrial and international clients.

OTHER CANADIAN OFFICES: Regina, Saskatchewan

SUBSIDIARY INFORMATION: Water Resource Consultants Ltd., 340 Maxwell Crescent, Regina, Saskatchewan S4N 5Y5, providing water resource consulting services in Saskatchewan.

M.P. WERNER ENGINEERING LTD.

M.P. Werner, President

HEAD OFFICE:
204, 1235 - 17th Avenue S.W.
Calgary, Alberta T2T 0C2
(403) 229-1985

DESCRIPTION: The firm was incorporated in Calgary in 1972. Our principal field of practice is in design of all types of buildings and related structures, including industrial plants, commercial and office buildings, residential developments, shops, warehouses, truck terminals, retaining structures, foundations for prefabricated buildings, etc. We offer a wide range of engineering and related services enabling us to carry a project from site analysis to approval and construction with a consistent high standard of service.

SPECIAL SERVICES: Mr. Werner is also registered as a restricted practitioner in architecture under the rules of the Joint Board of Practice in the Province of Alberta. We provide in-house engineering and architectural services on the following projects: Group A3 - arenas, swimming pools - up to and including sentence no. 3.2.2.18 in the Alberta building code. Group C - apartments only - up to and including sentence no. 3.2.2.28 in the Alberta building code. Group D - offices only - up to and including sentence no. 3.2.2.32 in the ABC. Group E - exhibition halls, shops and stores - up to and including 3.2.2.35 in the Alberta building code. Group F - warehouse plants, service buildings up to 15000 m^2.

WESCO TESTING & ENGINEERING LTD.

D.L. Steelbrand, President
E. Larson, Director

HEAD OFFICE:
1, 3700 - 78 Avenue S.E.
Calgary, Alberta T2C 2L8
(403) 236-9737

DESCRIPTION: The firm was established in Calgary in 1977. Incorporated in Alberta and British Columbia in 1978 and field offices were opened in Fort St. John in 1982 and High Level in 1983. Services include well completions, production testing and wireline services, test reports and production engineering.

SPECIAL SERVICES: Design and fabricated down hole heaters (electric) for heavy oil wells.

SUBSIDIARY INFORMATION: Wesco Wireline Ltd.

WESTERN ARCHRIB, A DIVISION OF 316291 ALBERTA LTD.

J. Fargey, President and General Manager

HEAD OFFICE:
4315 - 92 Avenue
P.O. Box 5648 T6C 4G1
Edmonton, Alberta T6B 3M7
(403) 465-9771 TLX/TWX 037 2665

DESCRIPTION: The company commenced business in 1951 in the manufacture of laminated wood. In the course of promoting our glulum product we became involved in the design of certain structural systems, most frequently for major industrial buildings such as potash storage buildings, pulp mills, saw mills, etc. Our involvement in engineering is restricted solely to the projects which involve our laminated wood.

OTHER CANADIAN OFFICES: Saskatoon, Saskatchewan.

WESTERN RESEARCH DIVISION OF BOW VALLEY RESOURCE SERVICES LTD.

J. Lukacs, P.Eng., V.P Bow Valley Resource Services Ltd.
D.G. Colley, P.Eng., Mgr. Consulting & Technical Services
M.C.J. Beamish, P. Eng., Director Marketing & Business Dev.
D.P. Stevens, Mgr. Process Instrumentations

HEAD OFFICE:
Bow Valley Resource Services Ltd.
1700, 321 - 6th Avenue S.W.
Calgary, Alberta T2P 3R3
(403) 261-6100

ALBERTA OFFICES:
1313 - 44th Avenue N.E.
Calgary, Alberta T2E 6L5
291-8806 TLX/TWX 03827569

9850 - 41 Avenue
Edmonton, Alberta T6E 5L6

106, 5720 - 44th Street
Lloydminster, Alberta T9V 0B6

DESCRIPTION: Western Research is a multidisciplinary consulting company applying specialized engineering and scientific skills to environmental process problems for industry and government. Originally incorporated in 1965, Western Research became a subsidiary of Bow Valley Industries in 1970, then, through a corporate reorganization, a division of Bow Valley Resource Services Ltd. in 1977. Specialists within the company include chemical, mechanical and electrical engineers; physicists; meteorologists, biologists. They are supported by a highly skilled and experienced group of technologists. This unique combination of expertise enables Western Research to provide comprehensive services in diverse technical fields. Special services include process instrumentation, resource management consulting, site selection and environmental impact assessment, applied research, air quality management and acoustics and vibration consulting, waste gas incineration and hazardous waste analysis and management.

SPECIAL SERVICES: As an independent consulting and testing firm, Western Research offers a unique service for performance testing and optimizing sulphur recovery plants. The capability is enhanced by in house research and the use of analytical procedures that have been developed specifically for the sulphur recovery plant. The company also offers the sulphur plant simulation software known as SULSIMtm.

OTHER FOREIGN OFFICES: Denver, Colorado; Houston, Texas, USA.

SUBSIDIARY INFORMATION: Chem Security Ltd.,
1323 - 44th Avenue N.E., Calgary, Alberta T2E 7A1.

WESTERN TANAGER RESOURCES LTD.

Rory C. Hankel, President/Secretary

HEAD OFFICE:
c/o Parlee, Irving, Henning
21st Floor, Family Life Building
Calgary, Alberta
(403) 265-8050

ALBERTA OFFICES:
403, 424 - 10 Street N.W.
Calgary, Alberta T2N 1V9
(403) 283-9709

DESCRIPTION: The company was incorporated in 1981 in Calgary and has existed as a small, specialized geological consulting firm since that time. Particular areas of expertise include reservoir and development geology for both clastic and carbonate regimes, well log analysis, volumetric reserves calculations, exploration economics and small petroleum company analyses (for equity market purposes).

WESTERN UNDERGROUND CONTRACTORS LTD.

R.A.G. Ursel, President
D.M. Simmons, Exec. Vice-President
D.C. Ruse, Director

HEAD OFFICE:
500, 1111 - 11th Avenue S.W.
Calgary, Alberta T2R 1K9
(403) 244-5340 TLX/TWX
03-827662

DESCRIPTION: Western Underground Contractors Ltd. (WUCL) was incorporated in 1973 to provide services to industries in the increasingly popular field of underground storage. The background experience of this Company's personnel also allows it to provide expertise in the broader fields of solution mining and deep-well disposals as well as in the specialized field of storage cavern development in salt. Western Underground Contractors Ltd. works in close association with Simmons Drilling Ltd. and Cavern Engineering Ltd. and can also draw from the other companies in the Simmons Group for specific expertise on a project-to-project basis.

OTHER CANADIAN OFFICES: Regina, Saskatchewan.

AFFILIATES: Simmons Drilling Ltd. Head office at same address as Western Underground. Contract Drilling for petroleum and potash industries and for storage projects. Cavern Engineering Ltd., 3032 Larch Cres., Regina, Sask. Consulting services in solution mining, salt cavern storage development, deep well disposal.

WIDY ENGINEERING LTD.

Don Widynowski, President

HEAD OFFICE:
203, 10441 - 124 Street
Edmonton, Alberta T5N 1R7
(403) 488-2974

DESCRIPTION: Widy Engineering Ltd. was incorporated in Alberta in 1979. Services include engineering design, equipment specification, tender documents, bid evaluation, procurement, construction supervision, start-up and commissioning regarding natural gas plants, compressor stations, oil batteries and associated pipelines.

WIEBE FOREST ENGINEERING LTD.

John C. Weibe,P.Eng., President
R.J. Raimondi, Secretary-Treasurer
K.O. Knudsen, Vice President
D.J. Forest, Partner

HEAD OFFICE:
604 - 24A Street N.W.
Calgary, Alberta T2N 2S4
(403) 283-6658

DESCRIPTION: Founded in Calgary in 1972 the company offers a broad scope of engineering services in the mechanical and electrical disciplines. Services include, heating ventilation and air conditioning, plumbing, industrial design, materials handling and conveying. Process and packaging, environmental control, water supply and distribution, sewage collection and disposal systems. Site servicing, energy analysis and alternate energy design. As well as power generation and distribution systems, lighting, communications, automation and control systems, and security and surveillance systems.

WINKELAAR, HOWARD & ASSOCIATES LTD.

J.D. Winkelaar, P.Eng., President
S.G. Howard, P.Eng., Secretary-Treasurer

HEAD OFFICE:
11810 Kingsway Avenue
Edmonton, Alberta T5G 0X5
(403) 452-2293

ALBERTA OFFICES:
402, 600 - 6th Avenue S.W.
Calgary, Alberta T2P 0S5
(403) 269-1381

DESCRIPTION: Winkelaar, Howard & Associates was incorporated in Alberta, and opened its Edmonton office in 1965. Another office was opened in Calgary in 1972. Ownership is entirely Canadian. The firm offers mechanical, electrical and instrumentation, and process control design services for oil/gas, heavy industrial, coal processing, municipal, commercial and institutional clients. Brochure Available.

WINTERHAWK DEVELOPMENTS LTD.

R.L. (Len) Sukovieff, President
R.W. Sukovieff, Director

HEAD OFFICE:
5929 - 6 Street N.E.
Calgary, Alberta T2K 5R5
9403) 275-6268 TLX/TWX 03 827729

DESCRIPTION: The company was incorporated in 1976 to provide a full range of technical services to the land development industry. Winterhawk has expanded operations to design and construction of wastewater treatment plants and oil and gas consulting. Additionally the company is involved in construction of residential and commercial buildings. The company is active in Western Canada, the USA and South East Asia at present.

SPECIAL SERVICES: Design, construction and operation of physical chemical wastewater treatment plants worldwide.

OTHER FOREIGN OFFICES: Kuala Lumpur and Penang, Malaysia.

HEAD OFFICE: Aqua Pura Technologies Inc., 600, 708 - 11 Avenue S.W., Calgary, Alberta. Alpac Trading Co. Ltd., 2730, 700 - 9 Avenue S.W., Calgary, Alberta; Wescaw (M) SDN. BHD., Malaysia.

D.M. WOLCOTT & ASSOCIATES LTD.

D.M. Wolcott, President
I. Wolcott, Director
R.P. Winnitoy, Director
B. O'Brien, Treasurer

HEAD OFFICE:
Suite 2200, Bow Valley Square II
205 - 5th Avenue S.W.
Calgary, Alberta T2P 2V7
(403) 266-7588

ALBERTA OFFICES:
Empress Gas Liquids Joint Venture
Box 1447
Medicine Hat, Alberta T1A 7N4

West Pembina Gas Processing Joint Venture
Box 2610
Drayton Valley, Alberta T0E 0M0

DESCRIPTION: The company was incorporated in June, 1981 in the City of Calgary, Province of Alberta. The company's main services are in the design, construction and operation of gas processing plants where the company is now operator of two facilities, managing operator of a third and agent for operator in a fourth facility. Services include supervision and control of each facility with overall responsibility for efficient management of staffing, plant operation (in all areas), cost forecasting and control, regulatory and joint venture reporting.

OTHER CANADIAN OFFICES: Alida, Saskatchewan

W.D. WOROBEC & ASSOCIATES INC.

W.D. Worobec, President

HEAD OFFICE:
407 Lake Placid Green S.E.
Calgary, Alberta T2J 5A4
(403) 278-0496

ALBERTA OFFICES:
Box 325, Station M
Calgary, Alberta T2P 2H9
(403) 278-9797

DESCRIPTION: The company was formed in 1978 and incorporated in 1984 with a strong Project Management/EPC background in oil and gas, petrochemicals, natural gas liquids and sulphur. Project Management is implemented with extensive experience in cost estimates, design, economic evaluation, forecasting, government regulations/hearings, joint venture construction and operating agreements. The firm is capable of working in an offshore and international environment.

SPECIAL SERVICES: Pipelines, pumps/compressors, plant facilities and sulphur handling. 20 years mechanical engineering/business administration experience in Project Management/Facilities Engineering in Alberta with an offshore and international capability.

OTHER FOREIGN OFFICES: Dallas, Texas, U.S.A.

XL GEOLOGICAL CONSULTANTS

Stephen T. Dadge, Officer/Operations Manager
Zenon Kotelko, Superintendent
Nicholas Sargent, Operations Superintendent

HEAD OFFICE:
Bay 7, 640 - 42 Avenue N.E.
Calgary, Alberta T2E 7J9
(403) 277-2024 TLX/TWX
038-27535

DESCRIPTION: The company was formed and incorporated in Alberta and the western provinces in 1985. Wellsite geological services form the main service. The wellsite geologists provide wellsite geologic supervision and recommendations; expertise covers onshore Western Canadian locations but also extend to Frontier Beaufort and East Coast areas.

AFFILIATES: XL Geological Consultants is a subsidiary of Exlog Canada.

YEWCHUK ENGINEERING (1979) LTD.

Vernon R. Oberg, President
Laurence A.J. Hukalo, Secretary-Treasurer
Stephen Yewchuk, Senior Consultant

HEAD OFFICE:
Box 5366, Station E
Edmonton, Alberta T5P 4C9
(403) 483-0164

DESCRIPTION: The firm was formed in 1969 in Edmonton and restructured in 1979. Provides a full range of mechanical engineering services for all types of buildings, notably commercial, institutional, industrial, research laboratories and health care facilities. Services provided by Yewchuk Engineering (1979) Ltd. include: investigative reports, feasibility studies, estimates, computer energy and economic analyses as applied to any building construction, complete design of required mechanical systems, including processing of shop drawings and supervision, preparation of maintenance manuals, commissioning and performance testing.

ZAZULA PROCESS EQUIPMENT LTD.

S. Zazula, President
A. Zazula, Treasurer

HEAD OFFICE:
1526 - 10 Avenue S.W.
Calgary, Alberta T3C 0J5
(403) 244-0751 TLX/TWX
038-24541

DESCRIPTION: Zazula Process Equipment is a wholly Canadian owned company. It was founded in 1963 by Mr. S.J. Zazula. Zazula Process Equipment has become an engineering and fabrication firm, in addition to being the official regional sales representatives for many fine mechanical equipment manufacturers. Currently on staff are four engineers from three different disciplines, two draftsmen and experienced fabrication personnel. Engineering expertise is routinely offered in the supply of process equipment whose manufacturers we represent, or for which we manufacture in our shop. The company has engineering and fabrication experience in all areas of water and waste water treatment, chemical processing and structural steel work.

AFFILIATES: We are technical and sales representatives for the following: 1) Greey Lightnin - mixers. 2) Milton Roy Industries - controlled volume pumps. 3) Busch - vacuum pumps. 4) Dow - plastic lined pipe.